0001829126-24-00857710-Q ADVENT TECHNOLOGIES HOLDINGS, INC. 20241227202412270841440841440841440

may make. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances discussed in this Quarterly Report on Form 10-Q may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. Â Some of the key factors that could cause actual results to differ from our expectations include: Â â— our ability to maintain the listing of our shares of common stock and warrants on Nasdaq; Â â— our ability to raise financing in the future; Â â— our success in retaining or recruiting officers, key employees or directors; Â â— factors relating to our business, operations and financial performance, including: Â â—‹ our ability to control the costs associated with our operations; Â â—‹ our ability to grow and manage growth profitably; Â â—‹ our reliance on complex machinery for our operations and production; Â â—‹ the marketâ€™s willingness to adopt our technology; Â â—‹ our ability to maintain relationships with customers; Â â—‹ the potential impact of product recalls; Â â—‹ our ability to compete within our industry; Â â—‹ increases in costs, disruption of supply or shortage of raw materials; Â â—‹ risks associated with strategic alliances or acquisitions; Â â—‹ the impact of unfavorable changes in U.S. and international regulations; Â Â Â Â â—‹ the availability of and our ability to meet the terms and conditions for government grants and economic incentives; and Â â—‹ our ability to protect our intellectual property rights; Â â— market conditions and global and economic factors beyond our control; Â â— volatility of our stock price and potential share dilution; Â â— future exchange and interest rates; and Â â— other factors detailed within the 2023 Annual Report under the section entitled â€œRisk Factors.â€ Â The forward-looking statements included in this Quarterly Report on Form 10-Q are made only as of the date of this report. You should not rely upon forward-looking statements as predictions of future events. We cannot guarantee that the future results, levels of activity, performance or events and circumstances reflected in the forward-looking statements will be achieved or occur. Moreover, neither we nor any other person assumes responsibility for the accuracy and completeness of the forward-looking statements. We undertake no obligation to update publicly any forward-looking statements for any reason after the date of this Quarterly Report on Form 10-Q to conform these statements to actual results or reflect interim developments. Â As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. For a discussion of the risks involved in our business and investing in our common stock, see the section entitled â€œRisk Factorsâ€ within the 2023 Annual Report. Â Should one or more of these risks or uncertainties materialize, or should any of the underlying assumptions prove incorrect, actual results may vary in material respects from those expressed or implied by these forward-looking statements. You should not place undue reliance on these forward-looking statements. Â Â Â Â Advent Technologies Holdings, Inc. Â Table of Contents Â Â Â Â Â Page PART Iâ€”FINANCIAL INFORMATION Â Â Â Â Â ItemÂ 1. Â Unaudited Condensed Consolidated Financial Statements Â 1 Â Â Unaudited Condensed Consolidated Balance Sheets Â 1 Â Â Unaudited Condensed Consolidated Statements of Operations Â 2 Â Â Unaudited Condensed Consolidated Statements of Comprehensive Loss Â 3 Â Â Unaudited Condensed Consolidated Statements of Changes in Stockholdersâ€™ Equity / (Deficit) Â 4 Â Â Unaudited Condensed Consolidated Statements of Cash Flows Â 8 Â Â Notes to Unaudited Condensed Consolidated Financial Statements Â 9 ItemÂ 2. Â Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations Â 35 ItemÂ 3. Â Quantitative and Qualitative Disclosures About Market Risk Â 52 ItemÂ 4. Â Controls and Procedures Â 52 Â Â Â Â Â PART IIâ€”OTHER INFORMATION Â Â Â Â Â ItemÂ 1. Â Legal Proceedings Â 55 ItemÂ 1A. Â Risk Factors Â 55 ItemÂ 2. Â Unregistered Sales of Equity Securities and Use of Proceeds Â 55 ItemÂ 3. Â Defaults Upon Senior Securities Â 55 ItemÂ 4. Â Mine Safety Disclosures Â 55 ItemÂ 5. Â Other Information Â 55 ItemÂ 6. Â Exhibits Â 56 Â Â Â Signatures Â 57 Â i Â Â PART Iâ€”FINANCIAL INFORMATION Â Item 1. Unaudited Condensed Consolidated Financial Statements Â ADVENT TECHNOLOGIES HOLDINGS, INC. CONDENSED CONSOLIDATED BALANCE SHEETS Â (Amounts in USD thousands, except share and per share amounts) Â Â Â Â Â Â Â Â Â Â Â Â As of Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â Â Â (Unaudited) Â Â Â Â ASSETS Â Â Â Â Â Â Â Â Â Â Current assets: Â Â Â Â Â Â Â Â Â Cash and cash equivalents Â $ 192 Â Â $ 3,200 Â Restricted cash, current Â Â - Â Â Â 100 Â Accounts receivable, net Â Â 274 Â Â Â 63 Â Contract assets Â Â - Â Â Â 9 Â Inventories Â Â 97 Â Â Â 195 Â Prepaid expenses and Other current assets Â Â 861 Â Â Â 838 Â Assets of discontinued operations Â Â - Â Â Â 4,430 Â Total current assets Â Â 1,424 Â Â Â 8,835 Â Non-current assets: Â Â Â Â Â Â Â Â Intangibles, net Â Â 77 Â Â Â 79 Â Property and equipment, net Â Â 5,310 Â Â Â 20,086 Â Right-of-use assets Â Â 279 Â Â Â 3,157 Â Restricted cash, non-current Â Â - Â Â Â 750 Â Other non-current assets Â Â 239 Â Â Â 242 Â Available for sale financial asset Â Â - Â Â Â - Â Assets of discontinued operations Â Â - Â Â Â 1,588 Â Total non-current assets Â Â 5,905 Â Â Â 25,902 Â Total assets Â $ 7,329 Â Â $ 34,737 Â Â Â Â Â Â Â Â Â LIABILITIES AND STOCKHOLDERSâ€™ EQUITY Â Â Â Â Â Â Â Current liabilities: Â Â Â Â Â Â Â Trade and other payables Â $ 16,420 Â Â $ 3,996 Â Due to related parties Â Â 253 Â Â Â - Â Deferred income from grants, current Â Â - Â Â Â 523 Â Contract liabilities Â Â 1,230 Â Â Â 414 Â Loss contingency liabilities Â Â 5,162 Â Â Â - Â Other current liabilities Â Â 1,785 Â Â Â 1,035 Â Operating lease liabilities Â Â 111 Â Â Â 2,138 Â Income tax payable Â Â 183 Â Â Â 179 Â Liabilities of discontinued operations Â Â - Â Â Â 3,628 Â Total current liabilities Â Â 25,144 Â Â Â 11,913 Â Non-current liabilities: Â Â Â Â Â Â Â Bonds and other long-term debt, net Â Â - Â Â Â - Â Warrant liability Â Â - Â Â Â 59 Â Long-term operating lease liabilities Â Â 159 Â Â Â 8,218 Â Defined benefit obligation Â Â 99 Â Â Â 83 Â Deferred income from grants, non-current Â Â - Â Â Â 320 Â Other long-term liabilities Â Â 1 Â Â Â 1 Â Liabilities of discontinued operations Â Â - Â Â Â 695 Â Total non-current liabilities Â Â 259 Â Â Â 9,376 Â Total liabilities Â Â 25,403 Â Â Â 21,289 Â Â Â Â Â Â Â Â Â Â Commitments and contingent liabilities Â Â Â Â Â Â Â Â Â Â Â Â

continuing operations Â $ 3,642 Â Â $ (36,823) Effect of exchange rate changes on cash, cash equivalent, restricted cash and restricted cash equivalents Â Â 274 Â Â Â 5 Â Net cash provided by / (used in) discontinued operations: Â Â Â Â Â Â Â Â Cash provided by / (used in) operating activities Â Â (8,317) Â Â 9,903 Â Cash provided by / (used in) investing activities Â Â - Â Â Â (275) Cash provided by / (used in) financing activities Â Â 543 Â Â Â - Â Net cash provided by / (used in) discontinued operations Â Â (7,774) Â Â 9,628 Â Net decrease in cash, cash equivalents, restricted cash and restricted cash equivalents Â Â (3,858) Â Â (27,190) Cash, cash equivalents, restricted cash and restricted cash equivalents at the beginning of the period Â Â 4,050 Â Â Â 33,619 Â Cash, cash equivalents, restricted cash and restricted cash equivalents at the end of the period Â $ 192 Â Â $ 6,429 Â Â Â Â Â Â Â Â Â Â Reconciliation to Condensed Consolidated Balance Sheets: Â Â Â Â Â Â Â Â Cash and cash equivalents Â $ 192 Â Â $ 3,661 Â Restricted cash, current Â Â - Â Â Â 2,018 Â Restricted cash, non-current Â Â - Â Â Â 750 Â Cash, cash equivalents, restricted cash and restricted cash equivalents Â $ 192 Â Â $ 6,429 Â Â Â Â Â Â Â Â Â Â Non-cash Financing Activities: Â Â Â Â Â Â Â Â Issuance of common stock and paid-in capital Â $ - Â Â $ 769 Â Â See accompanying notes to unaudited condensed consolidated financial statements. Â 8 Â Â ADVENT TECHNOLOGIES HOLDINGS, INC. NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS Â 1. Basis of presentation Â Overview Â Advent Technologies Holdings, Inc. and its subsidiaries (collectively referred to as â€œAdventâ€ and the â€œCompanyâ€) is an advanced materials and technology development company operating in the fuel cell, methanol, and hydrogen technology space. Advent is a world-leading company in the development of the HT-PEM technology (with more than 150 patents issued, pending, or licensed worldwide). The HT-PEM fuel cell technology developed by Advent enables off-grid power systems to produce clean power from various green fuels (hydrogen, methanol, bio and eMethanol, and renewable natural gas) and to function with higher efficiency at extreme ambient temperatures and in general extreme environmental conditions (humidity, air pollution). Adventâ€™s main operations focus on developing and manufacturing the Membrane Electrode Assembly (MEA), which is the core electrochemical element and the most critical component of the fuel cell. The MEA largely determines lifetime, power density, efficiency, and overall cost of installation and operation for all applications. Advent is working with world-leading market-leading OEMs with the goal of bringing to the market complete fuel cell systems for a range of applications in the stationary power markets (backup, off-grid, and portable power) and the heavy-duty mobility markets (automotive, aviation, marine). Â Advent has its headquarters in Livermore, California, and the Company has MEA and fuel cell product development facilities in Livermore, California and Patras, Greece. Previously, the Companyâ€™s headquarters were located in Boston, Massachusetts. During 2023, the Company decided to consolidate certain of its German operations with its operations in Greece. During JuneÂ 2024, the Company closed its facilities in Boston, MA, and no longer maintains its facilities in Denmark and the Philippines due to the bankruptcy of Advent Technologies A/S in JulyÂ 2024. Â On FebruaryÂ 4, 2021 (â€œClosing Dateâ€), AMCI Acquisition Corp. (â€œAMCIâ€), consummated the business combination (the â€œBusiness Combinationâ€) pursuant to that certain merger agreement (the â€œAgreement and Plan of Mergerâ€), dated OctoberÂ 12, 2020, by and among AMCI, AMCI Merger Sub Corp., a Delaware corporation and newly formed wholly-owned subsidiary of AMCI (â€œMerger Subâ€), AMCI Sponsor LLC (the â€œSponsorâ€), solely in the capacity as the representative from and after the effective time of the Business Combination for the stockholders of AMCI, Advent Technologies, Inc., a Delaware corporation (â€œLegacy Adventâ€), and Vassilios Gregoriou, solely in his capacity as the representative from and after the effective time for the Legacy Advent stockholders (the â€œSeller Representativeâ€), as amended by Amendment No. 1 and Amendment No. 2 to the Agreement and Plan of Merger, dated as of OctoberÂ 19, 2020 and DecemberÂ 31, 2020, respectively, by and among AMCI, Merger Sub, Sponsor, Legacy Advent, and Seller Representative. In connection with the closing of the Business Combination (the â€œClosingâ€), AMCI acquired 100% of the stock of Legacy Advent (as it existed immediately prior to the Closing) and its subsidiaries. Â On the Closing Date, and in connection with the closing of the Business Combination, AMCI changed its name to Advent Technologies Holdings, Inc. Legacy Advent was deemed the accounting acquirer in the Business Combination based on an analysis of the criteria outlined in Accounting Standards Codification (â€œASCâ€) 805. This determination was primarily based on Legacy Adventâ€™s stockholders prior to the Business Combination having a majority of the voting interests in the combined company, Legacy Adventâ€™s operations comprising the ongoing operations of the combined company, Legacy Adventâ€™s board of directors comprising a majority of the board of directors of the combined company, and Legacy Adventâ€™s senior management comprising the senior management of the combined company. Accordingly, for accounting purposes, the Business Combination was treated as the equivalent of Legacy Advent issuing stock for the net assets of AMCI, accompanied by a recapitalization. The net assets of AMCI are stated at historical cost, with no goodwill or other intangible assets recorded. Â 9 Â Â While AMCI was the legal acquirer in the Business Combination, because Legacy Advent was deemed the accounting acquirer, the historical financial statements of Legacy Advent became the historical financial statements of the combined company, upon the consummation of the Business Combination. As a result, the consolidated financial statements included in this report reflect (i) the historical operating results of Legacy Advent prior to the Business Combination; (ii) the results of the Company (combined results of AMCI and Legacy Advent) following the closing of the Business Combination; (iii) the assets and liabilities of Legacy Advent at their historical cost; and (iv) Companyâ€™s equity structure for all periods presented. Â In accordance with guidance applicable to these circumstances, the equity structure has been restated in all comparative periods up to the Closing Date, to reflect the number of shares of the Companyâ€™s common stock, $0.0001 par value per share, issued to Legacy Adventâ€™s stockholders in connection with the recapitalization transaction. As such, the shares and corresponding capital amounts and earnings per share related to Legacy Advent Preferred Stock (â€œPreferred Series Aâ€ and â€œPreferred Series Seedâ€) and Legacy Advent common stock prior to the Business Combination have been retroactively restated as shares reflecting the exchange ratio established in the Business Combination Agreement. Activity within the statement of changes in stockholdersâ€™ equity / (deficit) for the issuances of Legacy Adventâ€™s Preferred Stock, were also retroactively converted to Legacy Advent common stock. Â On FebruaryÂ 18, 2021, Advent Technologies, Inc. entered into a Membership Interest Purchase Agreement with Bren-Tronics, Inc. (â€œBren-Tronicsâ€) and UltraCell, LLC (â€œUltraCellâ€), a Delaware limited liability company and a direct wholly owned subsidiary of Bren-Tronics. Â UltraCell LLC was renamed Advent Technologies LLC following its acquisition by the Company. Â On JuneÂ 25, 2021, the Company entered into a Share Purchase Agreement, with F.E.R. fischer Edelstahlrohre GmbH, a limited liability company incorporated under the Laws of Germany (the â€œSellerâ€) to acquire all of the issued and outstanding equity interests in SerEnergy A/S, a Danish stock corporation and a wholly-owned subsidiary of the Seller (â€œSerEnergyâ€) and fischer eco solutions GmbH, a German limited liability company and a wholly-owned subsidiary of the Seller (â€œFESâ€) together with certain outstanding shareholder loan receivables. Â SerEnergy and FES were renamed to Advent Technologies A/S and Advent Technologies GmbH, respectively, following their acquisition by the Company on AugustÂ 31, 2021. Â The unaudited condensed consolidated financial statements of the Company have been prepared to reflect the consolidation of the companies listed below: Â Schedule of subsidiaries in consolidation Â Â Â Â Â Â Â Â Â Â Â Country of Â Ownership Interest Â Statements of Operations Company Name Â Incorporation Â Direct Â Indirect Â 2024 Â 2023 Advent Technologies, Inc. Â USA Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies S.A. Â Greece Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies LLC Â USA Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies GmbH Â Germany Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Â On July 25, 2024, Advent Technologies A/S was declared bankrupt by the court in Aalborg, Denmark. The petition was brought by IDA, the union of engineers for â‚¬402,000. As the Company did not have the ability to pay the full amount due, the Danish court declared Advent Technologies A/S bankrupt. Advent Technologies A/S and its wholly owned subsidiary Advent Green Energy Philippines, Inc. will be liquidated by the court appointed trustee to settle all claims under the bankruptcy. The Company anticipates it will receive no residual assets. As a result of their bankruptcy, Advent Technologies A/S and Advent Green Energy Philippines, Inc. (collectively referred to as the â€œDiscontinued Subsidiariesâ€) have been presented as discontinued operations in the accompanying financial statements. Â 10 Â Â Unaudited Condensed Consolidated Financial Statements Â The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with U.S. Generally Accepted Accounting Principles (â€œGAAPâ€) and pursuant to the regulations of the U.S. Securities and Exchange Commission (â€œSECâ€). The unaudited financial information reflects, in the opinion of management, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Companyâ€™s financial position, results of operations and cash flows for the periods indicated. The results reported for the interim period presented are not necessarily indicative of results that may be expected for the full year. These unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Companyâ€™s audited consolidated financial statements as of and for the year ended DecemberÂ 31, 2023, included in the Annual Report on Form 10-K filed with the SEC on AugustÂ 13, 2024. Â We reclassified certain prior year amounts in our consolidated financial statements to conform to the current year presentation. All reclassifications have been applied consistently to the periods presented. Â The unaudited condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries. Intercompany accounts and transactions have been eliminated. Â Share and per share amounts are presented on a post-conversion basis for all periods presented, unless otherwise specified. Â Going Concern Â The accompanying unaudited condensed consolidated financial statements have been prepared assuming the Company will continue as a going concern. The Company considers that the going concern basis is appropriate for the preparation of its unaudited condensed consolidated financial statements, as it is pursuing additional fund raising as disclosed below and has no intentions to proceed with liquidation. The going concern basis of presentation assumes that the Company will continue in operation one year from the date these unaudited condensed consolidated financial statements are issued and will be able to realize its assets and discharge its liabilities and commitments in the normal course of business. As such, the accompanying unaudited condensed consolidated financial statements do not include any adjustments relating to the recoverability and classification of assets and their carrying amounts, or the amount and classification of liabilities that may result should the Company be unable to continue as a going concern. Â In accordance with the Financial Accounting Standards Board (â€œFASBâ€) Accounting Standards Update (â€œASUâ€) 2014-15, Disclosure of Uncertainties about an Entityâ€™s Ability to Continue as a Going Concern (Subtopic 205-40), the Company has evaluated whether there are conditions and events, considered in the aggregate, that raise substantial doubt about the Companyâ€™s ability to continue as a going concern for one year from the date that the unaudited condensed consolidated financial statements are issued. The Companyâ€™s ability to meet its liquidity needs will largely depend on its ability to generate cash in the future. During the nine months ended SeptemberÂ 30, 2024, the Company provided $3.1 3,088 million of cash in operating activities (excluding discontinued operations), and the Companyâ€™s ability to generate cash in the future is subject to general economic, financial, competitive, legislative, regulatory, and other factors that are beyond the Companyâ€™s control. Furthermore, the Company has suffered recurring operating losses and has a negative net working capital position of $23.0 million as of SeptemberÂ 30, 2024. In addition, as of the issuance date of these unaudited condensed consolidated financial statements the Company is overdue in a number of its obligations which could give the right to creditors at any time from the issuance date of these consolidated financial statements to raise legal action against the Company which in turn could potentially lead to liquidation action against the Company and/or its subsidiaries. The transition to profitability and positive cash flow is highly dependent upon the successful development, approval, and commercialization of the Companyâ€™s products and the achievement of a revenue level adequate to support its cost structure and the Company can give no assurances that this will occur. Based on the Companyâ€™s current operating plan, the Company believes that its cash and cash equivalents as of SeptemberÂ 30, 2024, of $0.2 million and $0.5 million as of DecemberÂ 26, 2024, are not sufficient to fund operations and capital expenditures for the twelve months following the filing of this Quarterly Report on Form 10-Q, and the Company will need to obtain additional funding in the very near term, otherwise the Company may immediately substantially curtail or terminate its operations. Â 11 Â Â The Company performed a cash flow projection on a monthly basis for the twelve-month period following the issuance of the consolidated financial statements. With regards to the cash flow projections, the projected inflows from revenues and grants will be insufficient to cover the projected outflows, as such, the Company will continue to have a negative net working capital position and a delay in the projected timing of the short term financing and inflows and/or an immediate demand by creditors of repayment of the long outstanding payables may result in the Company being insolvent and short of cash at any specific time over the coming weeks and over the next twelve months. Â The highlights of the projections are as follows: Â The Company projects cash inflows from contracted revenues and grants for which it has already signed agreements with third parties and estimates projected outflows assuming the effective implementation of the Companyâ€™s plans to reduce monthly expenditures gradually during 2024. Â In addition, the projections do not include any cash outflows relating to commitments and contingencies as disclosed in Note 19 to the unaudited condensed consolidated financial statements, since the Company believes that any cash outflows relating to these commitments will not materialize based on the Companyâ€™s plans to agree the termination of such contracts with its suppliers and a contingent loss as outcome of the pending arbitration it is not probable. Â Until such time as the Company generates sufficient revenue to fund its operations (if ever), the Company plans to finance its operations and repay its existing and future liabilities and other obligations through the sale of equity and/or debt securities and, to the extent available, short-term and long-term loans. Â With regards to the projected revenues and grants, a delay in the projected timing of inflows may result in the Company remaining insolvent and short of cash at any specific time over the next twelve months. Also, there is no guarantee that the Companyâ€™s plans to reduce monthly expenditures will be successful. Â If the Company is unable to obtain sufficient funding, it could be required to delay its development efforts, limit activities, and further reduce research and development costs, which could adversely affect its business prospects and delivery of contractual obligations. A cash shortfall at any point in time over the next twelve months could result in the Company failing to meet its overdue and current obligations which could trigger action against the Company and/or its subsidiaries for liquidation by employees, authorities, or creditors. Because of the uncertainty in securing additional funding, delays in growth of revenue, failure to materialize cost-cutting efforts and the insufficient amount of cash and cash equivalents as of the consolidated financial statement filing date, management has concluded that substantial doubt exists with respect to the Companyâ€™s ability to continue as a going concern for one year from the date the unaudited condensed consolidated financial statements are issued. Â 2. Summary of Significant Accounting Policies Â There have been no significant changes from the significant accounting policies disclosed in Note 2 of the â€œNotes to Consolidated Financial Statementsâ€ included in the Annual Report Form 10-K filed with the SEC on AugustÂ 13, 2024. Â The Company did not apply any new accounting policies during the nine-month period ended SeptemberÂ 30, 2024 other than those noted below. Â Use of Estimates Â The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. On an on-going basis, management evaluates the estimates and judgments, including those related to the selection of useful lives for tangible assets, expected future cash flows from long-lived assets to support impairment tests, the carrying value of goodwill, provisions necessary for accounts receivables and inventory write downs, provisions for legal disputes, and contingencies. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from those estimates under different assumptions and/or conditions. Â 12 Â Â Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Â Cash and cash equivalents are highly liquid investments with original maturities of three months or less. Cash and cash equivalents consist of cash on hand, deposits held on call with banks and investments in money market funds with original maturities of three months or less at the date of acquisition. As of DecemberÂ 31, 2023, the Company has cash and cash equivalents which are restricted of $0.9 million. The restricted cash equivalent was a letter of credit required by the Companyâ€™s lease agreement for the Hood Park facility in Boston, MA. The letter of credit is required for the duration of the lease agreement which commenced in OctoberÂ 2022 and then was terminated in JuneÂ 2024 resulting in the release of the letter of credit in the benefit of the landlord. Â The Company reconciles cash, cash equivalents, restricted cash and restricted cash equivalents reported in the consolidated balance sheets that aggregate to the beginning and ending balances shown in the unaudited condensed consolidated statements of cash flows as follows: Â Schedule of restricted cash and cash equivalents Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Cash and cash equivalents Â $ 192 Â Â $ 3,200 Â Restricted cash, current Â Â - Â Â Â 100 Â Restricted cash, non-current Â Â - Â Â Â 750 Â Cash, cash equivalents, restricted cash and restricted cash equivalents Â $ 192 Â Â $ 4,050 Â Â Credit Losses Â In JuneÂ 2016, the FASB issued ASU 2016-13, Financial Instrumentsâ€”Credit Losses (Topic 326): Measurement of Credit Losses of Financial Instruments, which amends the requirement on the measurement and recognition of expected credit losses for financial assets held. Furthermore, amendments ASU 2019-10 and ASU 2019-11 provided additional clarification for implementing ASU 2016-13. ASU 2016-13 is effective for the Company beginning JanuaryÂ 1, 2023, with early adoption permitted. The Company adopted the standard on JanuaryÂ 1, 2023, in accordance with the adoption dates for private entities applicable to it under its emerging growth company status at that time and the standard did not have a material impact on the Companyâ€™s unaudited condensed consolidated financial statements and related disclosures. The Company is exposed to credit losses primarily through

sales of its products. The Company assesses each customerâ€™s ability to pay and a credit loss estimate by conducting a credit review which includes consideration of established credit rating or an internal assessment of the customerâ€™s creditworthiness based on an analysis of their payment history when a credit rating is not available. The Company monitors credit exposure through active review of customer balances. The Companyâ€™s expected loss methodology for accounts receivable is developed through consideration of factors including, but not limited to, historical collection experience, current customer credit ratings, current customer financial condition, current and future economic and market conditions, and age of the receivables. Charges related to credit losses are included in administrative and selling expenses and are recorded in the period that the outstanding receivables are determined to be doubtful. Account balances are written-off against the allowance when they are deemed uncollectible. Â During the three months ended September 30, 2024, certain receivables totaling $4.3 million from Advent Technologies A/S were fully reserved as expected credit losses. Â Inventories Â Inventories, which consist of raw materials, work-in-process and finished goods are stated at the lower of cost or net realizable value using the first-in, first-out cost method. Cost includes the cost of purchased materials, inbound freight charges, external and internal processing and applicable labor and overhead costs. Net realizable value is the estimated selling price in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. Â The Company periodically reviews quantities of inventories on hand and compares these amounts to the expected use of each product. Inventories are reviewed to determine if valuation allowances are required for obsolescence (excess, obsolete, and slow-moving inventory). This review includes analyzing inventory levels of individual parts considering the current design of our products and production requirements as well as the expected inventory requirements for maintenance on installed power platforms. The Company records a charge to cost of revenue for the amount required to reduce the carrying value of inventory to the net realizable value. Â 13 Â Â Fair Value Measurements Â The Company follows the accounting guidance in ASC 820 for its fair value measurements of financial assets and liabilities measured at fair value on a recurring basis. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability. Â The accounting guidance requires fair value measurements be classified and disclosed in one of the following three categories: Â â— Level 1: Quoted prices in active markets for identical assets or liabilities. Â â— Level 2: Observable inputs other than Level 1 prices, for similar assets or liabilities that are directly or indirectly observable in the marketplace. Â â— Level 3: Unobservable inputs which are supported by little or no market activity and that are financial instruments whose values are determined using pricing models, discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant judgment or estimation. Â The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Assets and liabilities measured at fair value are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. Â Convertible Bond Loan Â On MayÂ 25, 2022, Advent Technologies S.A (â€œAdvent SAâ€) and UNI.FUND Mutual Fund (â€œUNIFUNDâ€) entered into an agreement to finance Cyrus SA (â€œCyrusâ€) with a convertible bond loan (â€œBond Loanâ€) of â‚¬1.0 million. As a part of this transaction, Advent SA offered â‚¬0.3 million in bond loans with an annual interest rate of 8.00%. The term of the loan is three years and there is a surcharge of 2.5% for overdue interest. Â Cyrus business relates to the research and experimental development in natural sciences and mechanics, the construction of pumps and hydrogen compressors and the wholesale of compressors. Hydrogen compressors are a critical part of the Hydrogen Refueling Stations (HRS) to be used by transport applications. Cyrus has developed a prototype Metal Hydride Compressor which offers unique advantages. The proceeds from the Bond Loan are to cover Cyrusâ€™s working capital needs in the context of its operation and the product development. Â Mandatory conversion of the Bond Loan will occur in the event of qualified financing which is equivalent to a share capital increase by Cyrus in the first three years from the execution of the Bond Loan agreement with a total amount over â‚¬3 million which is covered by third parties unrelated to the basic shareholders or by investors related to them. Â The Company classifies the Bond Loan as an available for sale financial asset on the consolidated balance sheets. The Company recognizes interest income within the consolidated statement of operations. For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized $7 thousand and $21 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized $6 thousand and $19 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. Â The Company initially measured the available for sale Bond Loan at the transaction price plus any applicable transaction costs. The Bond Loan is remeasured to its fair value at each reporting period and upon settlement. The estimated fair value of the Bond Loan is determined using Level 3 inputs by using a discounted cash flow model. The change in fair value is recognized within the consolidated statements of comprehensive loss. As of SeptemberÂ 30, 2024, the Company continues to fully reserve the Bond Loan as an expected credit loss. The Company did not recognize any unrealized gain / (loss) during the three and nine months ended SeptemberÂ 30, 2024, or 2023. Â 14 Â Â Warrant Liability Â As a result of the Business Combination, the Company assumed a warrant liability (the â€œWarrant Liabilityâ€) related to previously issued 131,343 warrants, each exercisable to purchase one share of common stock at an exercise price of $345.00 per share, originally sold to AMCI Sponsor LLC (the â€œSponsorâ€) in a private placement consummated in connection with AMCIâ€™s initial public offering (the â€œPrivate Placement Warrantsâ€) and the 13,333 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, converted from the Sponsorâ€™s non-interest bearing loan to the Company of $0.4 million in connection with the closing of the Business Combination (the â€œWorking Capital Warrantsâ€) (Note 13). The Private Placement Warrants and the Working Capital Warrants have substantially the same terms as the 734,309 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, issued by AMCI in its initial public offering (the â€œPublic Warrantsâ€). Â The following tables summarize the fair value of the Companyâ€™s assets and liabilities measured at fair value on a recurring basis as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Â Schedule of liabilities measured at fair value on recurring basis Â Â Â Â Â Â Â Â Â Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â Â $ - Â Â Â $ - Â Â Â $ - Â Â Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ - Â Â Â $ - Â Â Â $ - Â Â Â $ - Â Â Â Â Â Â Â Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â Â $ - Â Â Â Â $ - Â Â Â $ - Â Â Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Warrant liability Â $ 59 Â Â $ 59 Â Â Â $ 59 Â Â $ 59 Â Â The carrying amounts of the Companyâ€™s remaining financial instruments reflected on the consolidated balance sheets and which consist of cash and cash equivalents, accounts receivables, net, other current assets, trade and other payables, and other current liabilities, approximate their respective fair values due to their short-term nature. Â 15 Â Â Changes in the fair value of Level 3 assets and liabilities for the three and nine months ended SeptemberÂ 30, 2024 and 2023 were as follows: Â Schedule of change in fair value of warrant liability Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Available for Sale Financial Asset Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 326 Â Â $ - Â Â $ 320 Â Estimated fair value of available for sale financial asset acquired Â Â - Â Â Â - Â Â Â - Â Â Â - Â Â Â - Â Foreign exchange fluctuations Â Â - Â Â Â (10) Â Â - Â Â Â (4) Change in estimated fair value Â Â - Â Â Â - Â Â Â - Â Â Â - Â Estimated fair value (end of period) Â $ - Â Â $ 316 Â Â $ - Â Â $ 316 Â Â Warrant Liability Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 177 Â Â $ 59 Â Â $ 998 Â Change in estimated fair value Â Â - Â Â Â 135 Â Â Â (59) Â Â (355) Reclassification of private placement warrants Â Â - Â Â Â (213) Â Â - Â Â Â (545) Estimated fair value (end of period) Â $ - Â Â $ 99 Â Â $ - Â Â $ 99 Â Â The Warrant Liability is remeasured to its fair value at each reporting period and upon settlement. The change in fair value is recognized in â€œFair value change of warrant liabilityâ€ on the consolidated statements of operations. Â 3. Related party disclosures Â Balances with related parties Â Schedule of related partiesÂ Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024Â Â DecemberÂ 31, 2023Â (Amounts in thousands)Â (Unaudited)Â Â Â Â Due to related partiesÂ Â Â Â Â Â Â Â Vassilios GregoriouÂ $75Â Â $-Â Maria GregoriouÂ Â 50Â Â Â Â -Â Emory S. De CastroÂ Â 128Â Â Â Â -Â TotalÂ $253Â Â $-Â Â The outstanding balances as of September 30, 2024 due to the Companyâ€™s executives and officers relate to short-term promissory notes with the Company.Â The notes are due by August 31, 2026 and bear interest at a rate of 5.00% per annum. Â Transactions with related parties Â Related partiesâ€™ transactions are in the normal course of operations and are measured at the amount of consideration established and agreed to by related parties. Â 16 Â Â 4. Accounts receivable, net Â Accounts receivable consist of the following: Â Schedule of accounts receivable Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accounts receivable from third party customers Â $ 2,142 Â Â $ 348 Â Less: Allowance for credit losses Â Â (1,868) Â Â (285) Accounts receivable, net Â $ 274 Â Â $ 63 Â Â 5. Inventories Â Inventories consist of the following: Â Schedule of inventories Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Raw materials and supplies Â $ 4,967 Â Â $ 4,864 Â Work-in-process Â Â 228 Â Â Â 90 Â Finished goods Â Â 264 Â Â Â 259 Â Total Â $ 5,459 Â Â $ 5,213 Â Provision for inventory Â Â (5,362) Â Â (5,018) Total Â $ 97 Â Â $ 195 Â The changes in the provision for inventory is as follows: Â Schedule of changes in provision for slow moving inventory Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â Balance at beginning of period Â $ (5,175) Â $ (46) Â $ (5,018) Â $ (45) Additions during the period Â Â (11) Â Â (449) Â Â (250) Â Â (449) Exchange differences Â Â Â (176) Â Â 2 Â Â Â Â (94) Â Â Â 1 Â Balance at end of period Â $ (5,362) Â $ (493) Â $ (5,362) Â $ (493) Â 17 Â Â 6. Prepaid expenses and other current assets Â Prepaid expenses are analyzed as follows: Â Schedule of prepaid expenses Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Prepaid insurance expenses Â $ 410 Â Â $ 155 Â Prepaid research expenses Â Â 13 Â Â Â 36 Â Other prepaid expenses Â Â 125 Â Â Â 27 Â Total Â $ 548 Â Â $ 218 Â Â Prepaid insurance expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly include prepayments to insurers for directorsâ€™ and officersâ€™ insurance services for liabilities that may arise in their capacity as directors and officers of a public entity. Â Prepaid research expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly relate to prepayments for expenses under the Cooperative Research and Development Agreement as discussed in Note 16. Â Other prepaid expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly include prepayments for professional fees and purchases, which also include costs to fulfill a contract with customers which are expected to be recognized within 2024, upon delivery of services to these customers. Â Other current assets are analyzed as follows: Â Schedule of other current assets Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â VAT receivable Â $ 56 Â Â $ 267 Â Withholding tax Â Â - Â Â Â - Â Grant receivable Â Â 185 Â Â Â 181 Â Purchases under receipt Â Â - Â Â Â 1 Â Guarantees Â Â - Â Â Â - Â Other receivables Â Â 72 Â Â Â 91 Â Accrued sublease income Â Â - Â Â Â 80 Â Accrued interest income Â Â - Â Â Â - Â Total Â $ 313 Â Â $ 620 Â Â 18 Â Â 7. Intangible Assets Â Information regarding our intangible assets, including assets recognized from our acquisitions, as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 is as follows: Â Schedule of intangible assets Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Finite-lived intangible assets: Â Software Â Â 237 Â Â Â (160) Â Â - Â Â Â 77 Â Total intangible assets Â $ 237 Â Â $ (160) Â $ - Â Â $ 77 Â Â Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Indefinite-lived intangible assets: Â Trade name â€œUltraCellâ€ Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Total indefinite-lived intangible assets Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Finite-lived intangible assets: Â Patents Â Â 21,221 Â Â Â (3,247) Â Â (17,974) Â Â - Â Process know-how (IPR&D) Â Â 2,612 Â Â Â (1,017) Â Â (1,595) Â Â - Â Order backlog Â Â 266 Â Â Â (266) Â Â - Â Â Â - Â Software Â Â 233 Â Â Â (154) Â Â - Â Â Â 79 Â Total finite-lived intangible assets Â $ 24,332 Â Â $ (4,684) Â $ (19,569) Â $ 79 Â Total intangible assets Â $ 24,738 Â Â $ (4,684) Â $ (19,975) Â $ 79 Â Â The Company did not record any additions to indefinite-lived intangible assets during the three and nine months ended SeptemberÂ 30, 2024 and 2023. Â The amortization expense for the intangible assets for the three months ended SeptemberÂ 30, 2024 and 2023 was nil 0 and $0.1 million, respectively. The amortization expense for the intangible assets for the nine months ended SeptemberÂ 30, 2024 and 2023 was $2.0 thousand and $0.5 million, respectively. Â All remaining intangible assets, other than software, from the UltraCell and SerEnergy and FES acquisitions were fully impaired during the year ended DecemberÂ 31, 2023. Â Amortization expense is recorded on a straight-line basis. Assuming constant foreign currency exchange rates and no change in the gross carrying amount of the intangible assets, future amortization expense related to the Companyâ€™s intangible assets subject to amortization as of SeptemberÂ 30, 2024 is expected to be as follows: Â Schedule of future amortization expense Â Â Â Â (Amounts in thousands) Â Â Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â Â 2024 Â $ 7 Â 2025 Â Â 28 Â 2026 Â Â 42 Â 2027 Â Â - Â 2028 Â Â - Â Thereafter Â Â - Â Total Â $ 77 Â Â 19 Â Â 8. Property, plant and equipment, net Â The Companyâ€™s property, plant and equipment, net, consisted of the following: Â Schedule of property, plant and equipment, net Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Land, Buildings & Leasehold Improvements Â $ 1,014 Â Â $ 12,632 Â Machinery Â Â 6,176 Â Â Â 10,908 Â Equipment Â Â 1,911 Â Â Â 2,591 Â Â Â $ 9,101 Â Â $ 26,131 Â Less: accumulated depreciation Â Â (1,407) Â Â (3,661) Less: impairment Â Â (2,384) Â Â (2,384) Total Â $ 5,310 Â Â $ 20,086 Â Â During the three and nine months ended SeptemberÂ 30, 2024, additions to property, plant and equipment of nil 0 and $28 thousand, respectively, for equipment. During the three and nine months ended SeptemberÂ 30, 2023, additions to property, plant and equipment were $5.1 million and $9.0 million, respectively, primarily consisting of machines and assets related to the construction of the Hood Park facility. Additionally, on AprilÂ 27, 2023, the Company entered into an agreement with ETTEL S.A. to purchase land in Kozani, Greece in the amount of â‚¬0.8 million. Â During the nine months ended SeptemberÂ 30, 2024, the Company disposed of leasehold improvements, sold machinery and disposed of other equipment with an aggregate net book value of $13.6 million for net proceeds of $0.9 million resulting in a loss of $12.7 million. Â On JuneÂ 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on JuneÂ 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. During the nine months ended SeptemberÂ 30, 2024, the Company wrote off $9.8 million of leasehold improvements and $0.5 million of furniture as part of the exit of Hood Park. As of DecemberÂ 31, 2023, the Company had $10.4 million of leasehold improvements and $0.5 million of furniture that will be forfeited as part of the exit of Hood Park. Â On MayÂ 7, 2024, the Company entered into an agreement to sell some of its coating machines (part of its property, plant and equipment) from the Hood Park facility for $0.9 million resulting in a loss of $2.5 million. On MayÂ 8, 2024, the Company received an initial deposit of $0.3 million and the remaining $0.6 million in JulyÂ 2024. The remaining machinery and equipment from Hood Park were relocated and is planned for use at the Companyâ€™s other locations. Â Depreciation expense during the three months ended September 30, 2024 and 2023 was $0.2 million and $0.9 million, respectively. Depreciation expense for the nine months ended SeptemberÂ 30, 2024 and 2023 was $1.0 1,157 million and $2.1 1,596 million, respectively. Â There are no collaterals or other commitments on the Companyâ€™s property, plant and equipment. Â 20 Â Â 9. Other non-current assets Â Other non-current assets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 are mostly comprised of guarantees to suppliers of $0.2 million and $0.2 million, respectively. Â 10. Trade and other payables Â Trade and other payables as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 include balances of suppliers and consulting service providers of $16.4 16,420 million and $4.0 3,996 million, respectively. Â The increase in trade and other payables for the three months ended September 30, 2024 is driven by an $11.6 million payable between the Company and one of its Discontinued Subsidiaries which was previously eliminated as intercompany activity. Â 11. Other current liabilities Â As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, other current liabilities consist of the following: Â Schedule of other current liabilities Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses(1) Â $ 563 Â Â $ 653 Â Other short-term payables Â Â 802 Â Â Â 44 Â Taxes and duties payable Â Â 299 Â Â Â 255 Â Provision for unused vacation Â Â 4 Â Â Â 4 Â Social security funds Â Â 108 Â Â Â 70 Â Overtime provision Â Â 9 Â Â Â 9 Â Total Â $ 1,785 Â Â $ 1,035 Â Â (1) Accrued expenses are analyzed as follows: Â Schedule of accrued expenses Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses for legal and consulting fees Â $

243 Â Â $ 219 Â Accrued payroll fees Â Â 39 Â Â Â 139 Â Other accrued expenses Â Â 281 Â Â Â 295 Â Total Â $ 563 Â Â $ 653 Â Â Other accrued expenses mainly consist of accrual of staff expenses and audit fees. Â 21 Â Â 12. Leases Â The Company enters into operating lease agreements for the use of real estate and certain other equipment. The Company determines if an arrangement contains a lease at inception, which is the date on which the terms of the contract are agreed to and the agreement creates enforceable rights and obligations. The impacts of accounting for operating leases are included in Right-of-use assets, Operating lease liabilities, and Long-term operating lease liabilities in the Companyâ€™s consolidated balance sheets. Â On FebruaryÂ 5, 2021, the Company entered into a lease agreement by and among the Company, in its capacity as tenant, and BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord. The lease provides for the rental by the Company of office space at 200 Clarendon Street, Boston, MA 02116 for use as the Companyâ€™s executive offices. Under the terms of the lease, the Company leases 6,041 square feet at an initial fixed annual rent of $0.5 million. The term of the lease is for five 5 years (unless terminated as provided in the lease) and commenced on AprilÂ 1, 2021. The Company provided security in the form of a security deposit in the amount of $0.1 million which is included in Other non-current assets on the consolidated balance sheet as of DecemberÂ 31, 2023. On AprilÂ 17, 2024, the landlord terminated the lease for past due rent totaling $0.2 million and seized the security deposit of $0.1 million. Â On JanuaryÂ 9, 2023, the Company entered into a sublease agreement by and among the Company, in its capacity as sublandlord, BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord, and Hughes Boston, Inc. (â€œHughesâ€), in its capacity as subtenant. The sublease provides for the rental by Hughes of office space at 200 Clarendon Street, Boston, MA 02116. Under the terms of the sublease, Hughes subleases 6,041 square feet at an initial fixed annual rent of $0.6 million and will increase 3.0% on each anniversary of the sublease commencement date. The term of the sublease is through MarchÂ 2026 (unless terminated as provided in the sublease) and the sublease commencement date was FebruaryÂ 1, 2023. The sublease was terminated on AprilÂ 17, 2024 in connection with the termination of the lease agreement with BP Hancock LLC, in its capacity as landlord. Â During the three months ended SeptemberÂ 30, 2024, and SeptemberÂ 30, 2023, the Company recognized nil 0 and $0.1 million, respectively, in rent income. During the nine months ended SeptemberÂ 30, 2024 and SeptemberÂ 30, 2023, the Company recognized $0.1 million and $0.1 million in rent income, respectively. Rent income is included within sublease income in the unaudited condensed consolidated statement of operations Â Additionally, the Companyâ€™s subsidiaries, Advent Technologies S.A. and Advent Technologies LLC, have in place rental agreements for the lease of office and factory spaces. Â On MarchÂ 8, 2021, the Company entered into a lease for 21,401 square feet as a product development and manufacturing center at Hood Park in Charlestown, MA. Under the terms of the lease, the Company will pay an initial fixed annual rent of $1.5 million. The lease has a term of eight 8.5 years and five months, with an option to extend for five 5 years, and commenced in OctoberÂ 2022. The Company is obliged to provide security in the form of a security deposit in the amount of $0.8 million before commencement of the lease. Â On AprilÂ 1, 2024, the Company agreed with the landlord of the Hood Park facility for a 4-month rate abatement period (March through JuneÂ 2024) and extend the term of the lease for 4 additional months. On JuneÂ 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on JuneÂ 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. Â Rental expense for all operating leases was nil 0 and $0.3 million for the three months ended SeptemberÂ 30, 2024, and 2023, respectively. For the three months ended SeptemberÂ 30, 2024, and 2023, rental expense for short-term leases was nil 0 and $0.3 million, respectively. Â Rental expense for all operating leases was $4.7 million and $1.7 million for the nine months ended SeptemberÂ 30, 2024, and 2023, respectively. For the nine months ended SeptemberÂ 30, 2024, and 2023, rental expense for short-term leases was $0.01 million and $0.4 million, respectively. Â 22 Â Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, the right of use assets, net associated with operating leases was $0.3 279 million and $3.2 3,157 million, respectively. Â As of SeptemberÂ 30, 2024, undiscounted maturities of operating lease liabilities remaining are as follows (amounts in thousands): Â Schedule of maturities of operating lease liabilities Â Â Â Â Â Â OperatingLeases Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â 2024 Â $ 35 Â 2025 Â Â 140 Â 2026 Â Â 107 Â 2027 Â Â 4 Â 2028 Â Â - Â Thereafter Â Â - Â Total undiscounted lease payments Â $ 286 Â Less: imputed interest Â Â (16) Total discounted lease payments Â $ 270 Â Less: current portion Â Â (111) Long-term lease liabilities Â $ 159 Â Â 13. Private Placement Warrants and Working Capital Warrants Â In connection with the Business Combination, the Company assumed 131,343 Private Placement Warrants issued upon AMCIâ€™s initial public offering. In addition, upon the closing of the Business Combination, the working capital loan provided by AMCIâ€™s Sponsor to AMCI was converted into 13,333 Working Capital Warrants, which were also assumed. The terms of the Working Capital Warrants are the same as those of the Private Placement Warrants. Â As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company had an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants outstanding. Each Private Placement Warrant and Working Capital Warrant entitles the registered holder to purchase one 1 share of Common Stock at a price of $345.00 per share, subject to adjustment, at any time commencing 30 days after the completion of the Business Combination. The Public Warrants expire five 5 years after the closing of the Business Combination or earlier upon redemption or liquidation. Â The Private Placement Warrants and Working Capital Warrants are identical to the Public Warrants, except that the Private Placement Warrants and Working Capital Warrants and the common stock issuable upon the exercise of those warrants were not transferable, assignable or salable until 30 days after the completion of a Business Combination, subject to certain limited exceptions. Additionally, the Private Placement Warrants and Working Capital Warrants are exercisable on a cashless basis and be non-redeemable so long as they are held by the initial purchasers or their permitted transferees. If those warrants are held by someone other than the initial purchasers or their permitted transferees, they will be redeemable by the Company and exercisable by such holders on the same basis as the Public Warrants. As of SeptemberÂ 30, 2024, an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants are held by its initial purchasers. Â According to the provisions of the Private Placement Warrants and Working Capital Warrants warrant agreements, the exercise price and number of shares of common stock issuable upon exercise of those warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. Private Placement Warrants and Working Capital Warrants are classified as liabilities in accordance with the Companyâ€™s evaluation of the provisions of ASC 815-40-15, which provides that a warrant is not indexed to the issuerâ€™s common stock if the terms of the warrant require an adjustment to the exercise price upon a specified event and that event is not an input to the fair value of the warrant with a fixed exercise price and fixed number of underlying shares. Â 23 Â Â 14. Stockholdersâ€™ Equity Â Shares Authorized Â As of SeptemberÂ 30, 2024, the Company had authorized a total of 501,000,000 shares for issuance with 500,000,000 shares designated as common stock, par value $0.0001 per share, and 1,000,000 shares designated as preferred stock, par value $0.0001 per share. Â Common Stock Â From FebruaryÂ 2, 2024, through MarchÂ 28, 2024, 24,976 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $0.1 million Â From AprilÂ 1, 2024, through AprilÂ 15, 2024, 31,373 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $0.2 million. Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, there were 2,636,508 and 2,580,159 shares of issued and outstanding common stock with a par value of $0.0001 per share, respectively. Â Reverse Stock Split Â On AprilÂ 29, 2024 and AprilÂ 30, 2024, our stockholders and Board, respectively, approved a reverse stock split of our Common Stock, at a ratio of 1-for-30 (the â€œReverse Stock Splitâ€), as of the Effective Date. The Effective Date of the Reverse Stock Split with the Secretary of the Commonwealth of Massachusetts was 5:00 p.m. on MayÂ 13, 2024 and MayÂ 14, 2024 in the marketplace. Â On MayÂ 13, 2024, the Company completed a 1-for-30 reverse stock split. Â On the Effective Date, the total number of shares of our Common Stock held by each shareholder was converted automatically into the number of whole shares of Common Stock equal to (i) the number of issued and outstanding shares of Common Stock held by such shareholder immediately prior to the Reverse Stock Split, divided by (ii) 30. Â No fractional shares were issued in connection with the Reverse Stock Split, and stockholders who would otherwise be entitled to a fractional share received a proportional cash payment in AprilÂ 2024. The Reverse Stock Split did not have any effect on the stated par value of the Companyâ€™s Common Stock. The rights and privileges of the holders of shares of Common Stock will be unaffected by the Reverse Stock Split. Â The Company is authorized to issue 501,000,000 shares of Common Stock and that number did not change as a result of the Reverse Stock Split. Â The consolidated financial statements and footnote disclosures have been updated to reflect the retrospective effect of the reverse stock split for all periods presented. Â 24 Â Â At the Market Offering Agreement Â On JuneÂ 2, 2023, the Company entered into an At The Market Offering Agreement (the â€œATM Agreementâ€) with H.C. Wainwright & Co., LLC, as sales agent (the â€œAgentâ€), to create an at-the-market equity program under which it may sell up to $50 million of shares of the Companyâ€™s common stock (the â€œSharesâ€) from time to time through the Agent (the â€œATM Offeringâ€). Under the ATM Agreement, the Agent will be entitled to a commission at a fixed rate of 3.0% of the gross proceeds from each sale of Shares under the ATM Agreement. Â Sales of the Shares, if any, under the ATM Agreement may be made in transactions that are deemed to be â€œat-the-market equity offeringsâ€ as defined in RuleÂ 415 under the Securities Act, including sales made by means of ordinary brokersâ€™ transactions, including on the Nasdaq Capital Market, at prevailing market prices at the time of sale or as otherwise agreed with the Agent. The Company has no obligation to sell, and the Agent is not obligated to buy or sell, any of the Shares under the Agreement and may at any time suspend offers under the Agreement or terminate the Agreement. The ATM Offering will terminate upon the termination of the ATM Agreement as permitted therein. The Shares will be issued pursuant to the Companyâ€™s previously filed Registration Statement on Form S-3 (File No. 333-271389) that was declared effective on MayÂ 2, 2023, and a prospectus supplement and accompanying prospectus relating to the ATM Offering filed with the SEC on JuneÂ 2, 2023. Â Deferred offering costs associated with the ATM Agreement are reclassified to additional paid in capital on a pro-rata basis when the Company completes offerings under the ATM Agreement. Any remaining deferred costs will be expensed to the statements of operations should the planned offering be terminated. Â Public Warrants Â In connection with the Business Combination, the Company assumed the Public Warrants issued upon AMCIâ€™s initial public offering. Â As of DecemberÂ 31, 2020, the Company had 735,069 Public Warrants outstanding. Each Public Warrant entitles the registered holder to purchase one share of common stock at a price of $345.00 per share, subject to adjustment, at any time commencing 30 days after the completion of the Business Combination. The Public Warrants will expire five years after the completion of the Business Combination or earlier upon redemption or liquidation. During the second quarter of 2021, certain warrant holders exercised their option to purchase an additional 760 shares at $345.00 per share. These exercises generated $262,177 additional proceeds to the Company and increased the Companyâ€™s shares outstanding by 760 shares. During 2023, one original Private Warrant Holder sold all their Private Placement Warrants resulting in a reclassification to Public Warrants. Following these exercises, as of SeptemberÂ 30, 2024, the Companyâ€™s Public Warrants amounted to 813,314. Â Once the warrants become exercisable, the Company may redeem the Public Warrants: Â â€“ in whole and not in part; Â â€“ at a price of $0.01 per warrant; Â â€“ upon not less than 30 daysâ€™ prior written notice of redemption; Â â€“ if, and only if, the reported last sale price of the Companyâ€™s Common Stock equals or exceeds $540.00 per share for any 20 trading days within a 30-trading day period ending three business days before the Company sends the notice of redemption to the warrant holders; and Â â€“ if, and only if, there is a current registration statement in effect with respect to the shares of Common Stock underlying such warrants. Â 25 Â Â If the Company calls the Public Warrants for redemption, management will have the option to require all holders that wish to exercise the Public Warrants to do so on a â€œcashless basis,â€ as described in the warrant agreement. The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. However, the warrants will not be adjusted for issuance of Common Stock at a price below its exercise price. In addition, the warrant agreement provides that in case of a tender offer or exchange that involves 50% or more of the Companyâ€™s stockholders, the Public Warrants may be settled in cash, equity securities or other assets depending on the kind and amount received per share by the holders of the common stock in such consolidation or merger that affirmatively make such election. Â The Public Warrants are classified in equity in accordance with the Companyâ€™s evaluation of the provisions of ASC 480 and ASC 815. The Company analyzed the terms of the Public Warrants and concluded that there are no terms that provide that the warrant is not indexed to the issuerâ€™s common stock. The Company also analyzed the tender offer provision discussed above and considering that upon the Closing of the Business Combination the Company has a single class of common shares, concluded that the exception discussed in ASC 815-40-25 applies, and thus equity classification is not precluded. Â Stock-Based Compensation Plans Â 2021 Equity Incentive Plan Â The Companyâ€™s Board of Directors (sometimes referred to herein as the â€œBoardâ€) and stockholders previously approved the 2021 Equity Incentive Plan (the â€œPlanâ€) to reward certain employees and directors of the Company. The Plan has been established to advance the interests of the Company by providing for the grant to Participants of Stock and Stock-based Awards. The maximum number of shares of Common Stock that may be delivered in satisfaction of Awards under the Plan is 569,273 shares. On AprilÂ 29, 2024, the stockholders voted to increase the number of shares of Common Stock issuable under the Companyâ€™s 2021 Equity Incentive Plan from 230,530 to 569,306. Â Stock Options Â Pursuant to and subject to the terms of the Plan the Company entered into separate Stock Option Agreements with each participant according to which each participant is granted an option (the â€œStock Optionâ€) to purchase up to a specific number of shares of common stock set forth in each agreement with an exercise price equal to the market price of Companyâ€™s common stock at the date of grant. The Company did not grant Stock Options during the three and nine months ended SeptemberÂ 30, 2024. Â Stock Options are granted to each participant in connection with their employment with the Company. The Stock Options vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period for the stock options. The Company recognized compensation cost of $0.6 million and $2.0 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2024, respectively. The Company recognized compensation cost of $0.8 million and $2.5 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur. Â 26 Â Â The following table summarizes the activities for our unvested stock options for the nine months ended SeptemberÂ 30, 2024: Â Schedule of activities for unvested stock Â Â Â Â Â Â Â Â Â Number of options Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 57,894 Â Â $ 124.24 Â Vested Â Â (21,920) Â $ 134.19 Â Forfeited Â Â (11,948) Â $ 96.94 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,026 Â Â $ 128.75 Â Â As of SeptemberÂ 30, 2024, there was $1.4 million of unrecognized compensation cost related to unvested Stock Options. This amount is expected to be recognized over the remaining vesting period of Stock Options. Â Restricted Stock Units Â Pursuant to and subject to the terms of the Plan the Company entered into separate Restricted Stock Units (â€œRSUsâ€) with each participant. On the grant date of RSUs, the Company grants to each participant a specific number of RSUs as set forth in each agreement, giving each participant the conditional right to receive without payment one share of common stock. The RSUs are granted to each participant in connection with their ongoing employment with the Company. The Company has in place Restricted Stock Unit Agreements that vest within one year and Restricted Stock Unit Agreements that vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period. The Company recognized compensation cost of $1.4 million and $4.0 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2024, respectively. The Company recognized compensation cost of $1.6 million and $4.9 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur. The Company did not grant RSUs during the nine months ended SeptemberÂ 30, 2024. Â The following table summarizes the activities for our unvested RSUs for the nine months ended SeptemberÂ 30, 2024: Â Schedule of restricted stock units granted Â Â Â Â Â Â Â Â Â Number ofShares Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 67,894 Â Â $ 200.1 Â Vested Â Â (29,503) Â $ 198.95 Â Forfeited Â Â (14,275) Â $ 126.55 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,116 Â Â $ 244.63 Â Â As of SeptemberÂ 30, 2024, there was $2.5 million of unrecognized compensation cost related to unvested RSUs. This amount is expected to be recognized over the remaining vesting period of Restricted Stock Unit Agreements. Â 27 Â Â 15. Revenue Â Revenue is analyzed as follows: Â Schedule of revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Sales of goods Â $ 128 Â Â $ 112 Â Â $ 1,852 Â Â $ - Â Sales of services Â Â - Â Â Â - Â Â Â 1,668 Â Â Â 222 Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â The timing of revenue recognition is analyzed as follows: Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Timing of revenue recognition Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Revenue recognized at a point in time Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Revenue recognized over time Â Â - Â Â Â - Â Â Â - Â Â Â - Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â

$ 3,520 Â Â $ 222 Â Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, Advent recognized contract assets of nil 0 and $9 thousand, respectively, on the consolidated balance sheets. Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, Advent recognized contract liabilities of $1.2 million and $0.4 million, respectively, in the consolidated balance sheets. During the nine months ended SeptemberÂ 30, 2024, the Company recognized the amount of $0.1 million in revenues. Â 16. Collaborative Arrangements Â Cooperative Research and Development Agreement Â In AugustÂ 2020, the Company entered into a Cooperative Research and Development Agreement (â€œCRADAâ€) with Triad National Security, LLC (â€œTRIADâ€), Alliance for Sustainable Energy LLC (â€œASEâ€), and Brookhaven Science Associates (â€œBSAâ€). The purpose of this project is to build a fuel cell prototype that moves this technology closer to commercial readiness which was sanctioned by the Los Alamos National Laboratory and the National Renewable Energy Laboratory. The Governmentâ€™s estimated total contribution, which is provided through TRIADâ€™s, ASEâ€™s, and BSAâ€™s respective contracts with the Department of Energy is $1.2 million, subject to available funding. As a part of the CRADA, the Company is required to contribute $1.2 million in cash and $0.6 million of in-kind contributions, such as personnel salaries. The cash payments are capitalized and amortized on a straight-line basis over the life of the contract. In-kind contributions are expensed as incurred. To date, the Company has not recognized any revenue from the CRADA. In DecemberÂ 2022, the term of the agreement was extended until MarchÂ 3, 2024. In JanuaryÂ 2024, the term of the agreement was extended until SeptemberÂ 3, 2024. Â Expenses from Collaborative Arrangements Â For the three and nine months ended SeptemberÂ 30, 2024, an amount of nil 0 and $0.1 million has been recognized in research and development expenses on the unaudited condensed consolidated statements of operations, respectively. For the three and nine months ended SeptemberÂ 30, 2023, an amount of $0.2 million and $1.5 million has been recognized in research and development expenses on the consolidated statements of operations, respectively. Â 28 Â Â 17. Income Taxes Â To calculate the interim tax provision, at the end of each interim period the Company estimates the annual effective tax rate and applies that to its ordinary quarterly earnings. The effect of changes in the enacted tax laws or rates is recognized in the interim period in which the change occurs. The computation of the annual estimated effective tax rate at each interim period requires certain estimates and judgments including, but not limited to, the expected operating income for the year, projections of the proportion of income earned and taxed in foreign jurisdictions, permanent differences between book and tax amounts, and the likelihood of recovering deferred tax assets generated in the current year. The accounting estimates used to compute the provision for income taxes may change as new events occur, additional information is obtained, or the tax environment changes. Â During the three and nine months ended SeptemberÂ 30, 2024, the Company recorded income tax benefit of nil 0 and $0.1 55 million, respectively, mainly related to net operating loss carryforwards. During the three and nine months ended September 30, 2023, the Company recorded income tax benefits of $80 81 thousand and $0.2 204 million, respectively, mainly related to the Companyâ€™s recoverability assessment of research and development tax credits in Denmark. As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, the Company provided a valuation allowance to offset the deferred tax asset related to the net operating loss carryforwards in Denmark. Â 18. Segment Reporting and Information about Geographical Areas Â Reportable Segments Â The Company develops and manufactures high-temperature proton exchange membranes (â€œHT-PEMâ€ or â€œHT-PEMsâ€) and fuel cell systems for the off-grid and portable power markets and plans to expand into the mobility market. The Companyâ€™s current revenue is derived from the sale of fuel cell systems and from the sale of MEAs, membranes, and electrodes for specific applications in the fuel cell and energy storage (flow battery) markets. The research and development activities are viewed as another product line that contributes to the development, design, production and sale of fuel cell products; however, it is not considered a separate operating segment. The Company has identified one 1 business segment. Â Geographic Information Â The following table presents revenues, by geographic location (based on the location of the entity selling the product) for the three and nine months ended SeptemberÂ 30, 2024 and 2023: Â Schedule of revenues, by geographic location Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â North America Â $ 128 Â Â $ 63 Â Â $ 3,052 Â Â $ 173 Â Europe Â Â - Â Â Â 49 Â Â Â 468 Â Â Â 49 Â Asia Â Â - Â Â Â - Â Â Â - Â Â Â - Â Total net sales Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â 19. Commitments and contingencies Â Litigation Â The Company is subject to legal and regulatory actions that arise from time to time in the ordinary course of business. The assessment as to whether a loss is probable or reasonably possible, and as to whether such loss or a range of such loss is estimable, often involves significant judgment about future events. Â 29 Â Â On JuneÂ 7, 2023, the Company was served a Request for Arbitration from F.E.R. fischer Edelstahlrohre GmbH (â€œF.E.R.â€), pursuant to the arbitration provisions of the Share Purchase Agreement dated JuneÂ 25, 2021 whereby the Company acquired SerEnergy and FES, which acquisition closed on AugustÂ 31, 2021. The arbitration was held in Frankfurt am Main, Germany in accordance with the Arbitration Rules of the German Arbitration Institute, and the parties presented closing arguments in MayÂ 2024. F.E.R. is asserting that it is due approximately â‚¬4.5 million based on the cap and corresponding value of the share consideration at the date of closing. On AugustÂ 16, 2024, the Company was informed that an arbitration decision and award was decided in favor of F.E.R. in the amount of approximately â‚¬4.5 million. On November 18, 2024, the Company filed a motion with the Higher Regional Court of Frankfurt to set aside the arbitral award. At this time, the Company cannot accurately predict the outcome of this matter, however, has recorded a loss contingency in the amount of $4.9 million, accrued interest expense of $0.3 million for a total of $5.2 million accrued loss liability as of SeptemberÂ 30, 2024. Â There is no other material pending or threatened litigation against the Company that remains outstanding as of SeptemberÂ 30, 2024, that is considered probable or reasonably possible. Â Guarantee letters Â The Company had contingent liabilities in relation to performance guarantee letters and other guarantees provided to third parties that arise from its normal business activity and from which no substantial charges are expected to arise. As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company did not hold any letters of guarantee. Â Contractual obligations Â In DecemberÂ 2021, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and BASF New Business GmbH, in its capacity as Seller. The supply agreement provides for the purchase by the Company of 21,000m2 (Minimum Quantity) of membrane from BASF during the contract duration from JanuaryÂ 1, 2022 until DecemberÂ 31, 2025. The Company has not purchased any additional quantities in 2024 under this agreement and on JulyÂ 12, 2024, has formally requested to terminate the supply contract. Â In JuneÂ 2022, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and Shin-Etsu Polymer Singapore Pte, Ltd (â€œShin-Etsuâ€), in its capacity as Seller. The supply agreement provides for the purchase by the Company of 318,400 pieces (Minimum Quantity) of bipolar plates from Shin-Etsu during the contract duration from JuneÂ 1, 2022 until JuneÂ 30, 2024. In MayÂ 2023, the Company amended the supply agreement with Shin-Etsu to reduce the Minimum Quantity of bipolar plates to 75,400 pieces. In JanuaryÂ 2024, the Company amended the supply agreement with Shin-Etsu to shift the timing of the monthly minimum requirements and extend the agreement until SeptemberÂ 2024. The Company has not made any purchases under the amended agreement in 2024, the contract is currently on hold pending negotiations with Shin Etsu. Under the contract, Shin- Etsu can claim Advent to buy the remaining purchase requirement with the agreed purchases by the end of SeptemberÂ 2024. The Company has not purchased any additional quantities in 2024 under this agreement and has formally requested to terminate the supply contract. Â The following table summarizes our contractual obligations as of SeptemberÂ 30, 2024: Â Schedule of contractual obligations Â Â Â Â Â Â Â Â Â Â Â Â Fiscal Year Ended DecemberÂ 31, Â Quantity (pieces) Â Â Quantity (m2) Â Â Price (Amounts in thousands) Â 2024 Â Â 57,600 Â Â Â 6,174 Â Â Â 2,304 Â 2025 Â Â - Â Â Â 8,000 Â Â Â 2,150 Â Total Â Â 57,600 Â Â Â 14,174 Â Â $ 4,454 Â Â The Company has not accrued for these unrecognized commitment obligations as of SeptemberÂ 30, 2024, and December 31, 2023. Â 30 Â Â 20. Net loss per share Â Net loss per share is computed by dividing net loss by the weighted-average number of shares of Common Stock outstanding during the year. Â The following table sets forth the computation of the basic and diluted net loss per share for the three and nine months ended SeptemberÂ 30, 2024 and 2023: Â Schedule of computation of basic and diluted net loss per share Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands, except share and per share amounts) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Numerator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss from continuing operations Â $ (9,615) Â $ (9,891) Â $ (29,244) Â $ (26,530) Net loss from discontinued operations Â $ (8,907) Â $ (1,955) Â $ (9,907) Â $ (19,135) Net loss Â $ (18,522) Â $ (11,846) Â $ (39,151) Â $ (45,665) Denominator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic weighted average number of shares Â Â 2,636,508 Â Â Â 2,012,382 Â Â Â 2,618,601 Â Â Â 1,843,154 Â Diluted weighted average number of shares Â Â 2,636,508 Â Â Â 2,012,382 Â Â Â 2,618,601 Â Â Â 1,843,154 Â Net loss per share: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic loss per share from continuing operations Â $ (3.65) Â $ (4.92) Â $ (11.17) Â $ (14.39) Basic loss per share from discontinued operations Â $ (3.38) Â $ (0.97) Â $ (3.78) Â $ (10.38) Basic loss per share Â $ (7.03) Â $ (5.89) Â $ (14.95) Â $ (24.78) Diluted loss per share from continuing operations Â $ (3.65) Â $ (4.92) Â $ (11.17) Â $ (14.39) Diluted loss per share from discontinued operations Â $ (3.38) Â $ (0.97) Â $ (3.78) Â $ (10.38) Diluted loss per share Â $ (7.03) Â $ (5.89) Â $ (14.95) Â $ (24.78) Â Basic net loss per share is computed by dividing net loss for the periods presented by the weighted-average number of shares of Common Stock outstanding during these periods. Â Diluted net loss per share is computed by dividing the net loss, by the weighted average number of shares of Common Stock outstanding for the periods, adjusted for the dilutive effect of shares of Common Stock equivalents resulting from the assumed exercise of the Public Warrants, Private Placements Warrants, Working Capital Warrants, Stock Options and RSUs. The treasury stock method was used to calculate the potential dilutive effect of these Common Stock equivalents. Â As the Company incurred losses for the three and nine months ended SeptemberÂ 30, 2024 and 2023, the effect of including any potential shares of Common Stock in the denominator of diluted per-share computations would have been anti-dilutive; therefore, basic and diluted losses per share are the same. Â 31 Â Â 21. Discontinued Operations Â The following table presents a reconciliation of the carrying amounts of the major classes of assets and liabilities of discontinued operations to the total assets and liabilities of discontinued operations as presented in the condensed consolidated balance sheet. Â Schedule of condensed consolidated balance sheet Â Â Â Â (Amounts in thousands) Â DecemberÂ 31, 2023 Â Assets Â Â Â Â Cash and cash equivalents Â $ 362 Â Accounts receivable, net Â Â 128 Â Contract assets Â Â 12 Â Inventories, net Â Â 2,512 Â Prepaid expenses and other current assets Â Â 1,416 Â Property, plant and equipment, net Â Â 1,463 Â Right-of-use assets Â Â 59 Â Other non-current assets Â Â 66 Â Total Assets Â $ 6,018 Â Â Â Â Â Â Â (Amounts in thousands) Â DecemberÂ 31, 2023 Â Liabilities Â Â Â Â Trade payables Â $ 1,091 Â Deferred income from grants, current Â Â 7 Â Contract liabilities Â Â 1,601 Â Other current liabilities Â Â 881 Â Operating lease liabilities Â Â 48 Â Lease liabilities â€“ long-term Â Â 12 Â Other long-term liabilities Â Â 683 Â Total Liabilities Â $ 4,323 Â Â During the three and nine months ended September 30, 2024, and 2023, the Companyâ€™s operating results for the discontinued entities (Advent Technologies A/S and Advent Green Energy Philippines, Inc.): Â Schedule of operating results for the discontinued entities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three months ended SeptemberÂ 30,(Unaudited) Â Â Nine months ended SeptemberÂ 30,(Unaudited) Â (Amounts in USD in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Revenue, net Â $ (135) Â $ 1,152 Â Â $ 728 Â Â $ 3,131 Â Cost of revenues Â Â (102) Â Â (1,649) Â Â (716) Â Â (4,509) Gross profit / (loss) Â Â (237) Â Â (497) Â Â 12 Â Â Â (1,378) Income from grants Â Â (541) Â Â 254 Â Â Â 310 Â Â Â 902 Â Research and development expenses Â Â - Â Â Â (934) Â Â - Â Â Â (3,410) Administrative and selling expenses Â Â (2,067) Â Â (916) Â Â (4,167) Â Â (14,951) Credit loss â€“ customer contracts Â Â - Â Â Â 67 Â Â Â - Â Â Â - Â Operating loss Â Â (2,845) Â Â (2,026) Â Â (3,845) Â Â (18,837) Finance income / (expenses), net Â Â - Â Â Â 72 Â Â Â - Â Â Â 640 Â Foreign exchange gains / (losses), net Â Â - Â Â Â 10 Â Â Â - Â Â Â (1) Other income / (expenses), net Â Â - Â Â Â (11) Â Â - Â Â Â (13) Net assets / (liabilities) â€“ Advent Technologies A/S and Advent Green Energy Philippines, Inc. Â Â 6,278 Â Â Â - Â Â Â 6,278 Â Â Â - Â Payable to Advent Technologies A/S Â Â (12,340)Â Â Â Â Â Â Â (12,340)Â Â Â - Â Loss before income tax Â Â (8,907) Â Â (1,954) Â Â (9,907) Â Â (18,211) Income taxes Â Â - Â Â Â (1) Â Â - Â Â Â (924) Net loss Â $ (8,907) Â $ (1,955) Â $ (9,907) Â $ (19,135) Â 32 Â Â 22. Subsequent Events Â On October 15, 2024, the Company reported that as disclosed previously, on May 24, 2024, and August 28, 2024, the Listing Qualifications Staff (the â€œStaffâ€) of The Nasdaq Stock Market, LLC (â€œNasdaqâ€) notified the Company that, as of the date of such notification, it no longer met the periodic filing requirement for The Nasdaq Stock Market under Listing Rule 5250(c)(1)(the â€œRuleâ€) because it had not yet filed its Quarterly Reports on Form 10-Q for the periods ended March 31, and June 30, 2024 (the â€œForm 10-Qsâ€). On October 15, 2024, the Company received a letter from the Staff indicating that based on the October 15, 2024 filings of the Quarterly Reports on Form 10-Qs for the periods ended March 31, and June 30, 2024, the Staff has determined that the Company complies with the Rule. Accordingly, this matter is now closed.Â Â On October 18, 2024, the Company received a letter from the Staff of Nasdaq notifying the Company that because the Companyâ€™s Quarterly Report on Form 10-Q for the period ended June 30, 2024, reported stockholdersâ€™ equity of ($2,879,000), and as of the date of such letter, the Company did not meet the alternatives of market value of listed securities or net income from continuing operations, the Company was no longer compliant with Nasdaqâ€™s Listing Rule requiring the Company to maintain a minimum of $2,500,000 in stockholdersâ€™ equity for continued listing. Â As a result, as of October 18, 2024, under Nasdaq Rules the Company had 45 calendar days to submit a plan to regain compliance. If the Companyâ€™s plan is accepted, Nasdaq can grant an extension of up to 180 calendar days from the date of the letter to evidence compliance. Â On October 24, 2024, the Board of the Company approved the termination of the employment of Vassilios Gregoriou, the Chief Executive Officer, Acting Chief Financial Officer, for cause, effective immediately. Â Further to said termination, in connection with Mr. Gregorioua€™s termination, the Companyâ€™s Board of Directors appointed Mr. Gary Herman, who is currently serving as a member of the Board, to the additional role of interim chief executive officer, effective immediately, until a new Chief Executive Officer is appointed. Mr. Herman, 60, is a seasoned investor with many years of investment and business experience. From 2005 to 2020 he co-managed the Strategic Turnaround Equity Partners, LP (Cayman) fund and its affiliates. From January 2011 to August 2013, he was a managing member of Abacoa Capital Management, LLC, which managed Abacoa Capital Master Fund, Ltd., focused on a Global-Macro investment strategy. From 2005 to 2020, Mr. Herman was affiliated with Arcadia Securities LLC, a New York-based broker-dealer. From 1997 to 2002, he was an investment banker with Burnham Securities, Inc. From 1993 to 1997, he was a managing partner of Kingshill Group, Inc., a merchant banking and financial firm with offices in New York and Tokyo. Mr. Herman has a B.S. from the University at Albany with a major in Political Science and minors in Business and Music. Mr. Herman has many years of experience serving on the boards of public and private companies. He presently sits on the boards of Siyata Mobile, Inc. (NASDAQ: SYTA), Virpax Pharmaceuticals, Inc. (NASDAQ: VRPX), SRM Entertainment, Inc. (NASDAQ: SRM), LQR House, Inc. (NASDAQ: LQR), SusGlobal Energy Corp. (OTCQB: SNRG) and XS Financial, Inc. (CSE: XS). Â There are no family relationships between Mr. Herman and any director or executive officer of the Company, and he has no direct or indirect material interest in any transaction required to be disclosed pursuant to Item 404(a) of Regulation S-K. Â On October 29, 2024, the Board of the Company approved the termination of the employment of Christos Kaskavelis, Chief Strategy Officer of the Company, for cause, effective immediately. Â On November 8, 2024, the Company terminated the Securities Purchase Agreement it had previously entered into on July 30, 2024 (the â€œSPAâ€) with an institutional investor (the â€œInvestorâ€) pursuant to which, at the closing, the Company was contemplated to have issued to the Investor a senior promissory note in the principal amount of $1,000,000 (the â€œSenior Noteâ€). The Investor had also committed to provide the Company with a one-year revolving line of credit to the Company for an aggregate maximum principal amount of $2,000,000, contingent upon the Companyâ€™s filing of a Registration Statement on Form S-1 with the SEC with respect to an underwritten or â€œbest effortsâ€ public offering by the Company of its common stock, and/or common stock equivalents registered under the Securities Act of 1933, as amended (the â€œSecurities Actâ€) for proceeds to the Company of not less than $5,000,000. This transaction is referred to herein as the â€œFinancing.â€ Inasmuch as the Investor failed to comply with the terms of the SPA and did not provide any funds to the Company to ultimately complete the Financing, the Board voted to terminate the SPA and potential Financing. The Company had initially disclosed the SPA and Financing on its Current Report on Form 8-K filed with the SEC on August 5, 2024. Â 33 Â Â Effective as of November 4, 2024, the Company appointed Messrs. Seth M. Lukash and Joseph P. Celia to the Board as Class II directors. Mr. Lukash will serve on the compensation and audit committees, and as chair of the audit committee. Mr. Celia will serve on the audit and compensation committees and as a chair of the compensation committee. Â Mr. Seth Lukash, 78, is a seasoned corporate director, officer, and investor. For 30 years he was a CEO for various technology and manufacturing companies. He was CEO and President of Tridex, Inc. (n/k/a TransAct Technologies (Nasdaq: TACT) a manufacturer of printers and peripherals to the banking, lottery/gaming, and retail sales markets. Mr. Lukash was Chairman and CEO of Progressive Software, a large provider of application software to the restaurant and hospitality industry. After the sale and divestiture of these companies he advised several technology companies. He has served as an advisor to OEM Capital a boutique investment banking firm and Strategic Turnaround Equity Partners, LP, a fund focused on investments in undervalued public companies. For the past two years he has advised an AI start-up with their organization and structuring for additional financing. He started his finance career as a research analyst for Carter Berlind & Weil. Mr. Lukash is a graduate of the University of Miami with a BA in Finance. Â Mr. Joseph P. Celia, 60, is a technology industry veteran with 30 years of experience with an impressive track record in building strategic partnerships, driving new business initiatives, and penetrating new markets. His dynamic and results-oriented approach in sales leadership within the rapidly evolving tech sector has consistently led to significant achievements. Mr. Celia has

held executive and senior-level sales management positions at some of the tech industryâ€™s most respected organizations, including Hewlett Packard, Motorola, 3Com, Symbol Technologies, Bradford Networks, Accton Technology, and FIS Global. Mr. Celia has a BS from Northeastern University in Computer Technology. Â In connection with his appointment, the Board has determined that Mr. Lukash (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1); and (iii) is an â€œaudit committee financial expert,â€ as defined in Item 407(d)(5)(ii) of Regulation S-K. In connection with his appointment, the Board has determined that Mr. Celia (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); and (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1). Â There are no arrangements or understandings between any of the new Directors and any other person pursuant to which each was selected as a director, and there have been no transactions since the beginning of the Companyâ€™s last fiscal year, nor are there any currently proposed transactions, regarding the new Directors that are required to be disclosed by Item 404(a) of Regulation S-K promulgated under the Exchange Act. Â 34 Â Â Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations. Â The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our unaudited condensed consolidated financial statements and related notes appearing elsewhere in this Quarterly Report on Form 10-Q and our Annual Report on Form 10-K for the year ended DecemberÂ 31, 2023, as filed with the SEC on AugustÂ 13, 2024 (â€œ2023 Annual Reportâ€). Â Some of the information contained in this discussion and analysis or set forth elsewhere in this Quarterly Report on Form 10-Q, including information with respect to our plans and strategy for our business, includes forward-looking statements that involve risks and uncertainties. As a result of many factors, including those factors set forth in the â€œItem 1A. Risk Factorsâ€ section of this Quarterly Report on Form 10-Q and the â€œItem 1A. Risk Factorsâ€ section of our 2023 Annual Report, our actual results could differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis. Â Overview Â Advent Technologies Holdings, Inc. and its subsidiaries (collectively referred to as â€œAdventâ€ and the â€œCompanyâ€) is an advanced materials and technology development company operating in the fuel cell, methanol, and hydrogen technology space. Advent is a world-leading company in the development of the HT-PEM technology (with more than 150 patents issued, pending, or licensed worldwide). The HT-PEM fuel cell technology developed by Advent enables off-grid power systems to produce clean power from various green fuels (hydrogen, methanol, bio and eMethanol, and renewable natural gas) and to function with higher efficiency at extreme ambient temperatures and in general extreme environmental conditions (humidity, air pollution). Adventâ€™s main operations focus on developing and manufacturing the Membrane Electrode Assembly (MEA), which is the core electrochemical element and the most critical component of the fuel cell. The MEA largely determines lifetime, power density, efficiency, and overall cost of installation and operation for all applications. Advent is working with world-leading market-leading OEMs with the goal of bringing to the market complete fuel cell systems for a range of applications in the stationary power markets (backup, off-grid, and portable power) and the heavy-duty mobility markets (automotive, aviation, marine). Â Adventâ€™s core product offerings are fuel cell stacks and the Membrane Electrode Assembly (MEA) at the center of the fuel cell. The Advent MEA, which derives its key benefits from the properties of Adventâ€™s engineered membrane and electrode technology, enables a high power-density, longer-lasting and ultimately lower-cost fuel cell product. Â Adventâ€™s principal operations have been to develop and manufacture MEAs, and to design fuel cell stacks and complete fuel cell systems for a range of applications in the stationary power, portable power, automotive, aviation, energy storage and sensor markets. Advent has its headquarters in Livermore, California, and product development facilities in Livermore, California and Patras, Greece. Â The majority of Adventâ€™s current revenue derives from Joint Development Agreements (JDAs) and Technology Assessment Agreements (TAAs) with world-leading OEMs for the development of joint products. The ultimate goal is that OEMs will bring to the market with Advent-inside technology (the Advent MEA and/or the Advent Fuel Cell Stack). The Company has also extensive know-how and IP in the development of full fuel cell systems that it intends to license out to OEMs and Tier1s through technology license agreements. Advent has also secured grant funding for a range of projects from research agencies and other organizations. Advent expects to continue to be eligible for grant funding based on its product development activities over the foreseeable future. Â Business Developments Â Management and Board Changes Â On October 24, 2024, the Board approved the termination of the employment of Vassilios Gregoriou, the Chief Executive Officer, Acting Chief Financial Officer, for cause, effective immediately. Â 35 Â Â Further to the said termination, in connection with Mr. Gregoriouâ€™s termination, the Board appointed Mr. Gary Herman, who is currently serving as a member of the Board, to the additional role of interim chief executive officer, effective immediately, until a new Chief Executive Officer is appointed. Mr. Herman, 60, is a seasoned investor with many years of investment and business experience. From 2005 to 2020 he co-managed the Strategic Turnaround Equity Partners, LP (Cayman) fund and its affiliates. From January 2011 to August 2013, he was a managing member of Abacoa Capital Management, LLC, which managed Abacoa Capital Master Fund, Ltd., focused on a Global-Macro investment strategy. From 2005 to 2020, Mr. Herman was affiliated with Arcadia Securities LLC, a New York-based broker-dealer. From 1997 to 2002, he was an investment banker with Burnham Securities, Inc. From 1993 to 1997, he was a managing partner of Kingshill Group, Inc., a merchant banking and financial firm with offices in New York and Tokyo. Mr. Herman has a B.S. from the University at Albany with a major in Political Science and minors in Business and Music. Mr. Herman has many years of experience serving on the boards of public and private companies. He presently sits on the boards of Siyata Mobile, Inc. (NASDAQ: SYTA), Virpax Pharmaceuticals, Inc. (NASDAQ: VRPX), SRM Entertainment, Inc. (NASDAQ: SRM), LQR House, Inc. (NASDAQ: LQR), SusGlobal Energy Corp. (OTCQB: SNRG) and XS Financial, Inc. (CSE: XS). Â There are no family relationships between Mr. Herman and any director or executive officer of the Company, and he has no direct or indirect material interest in any transaction required to be disclosed pursuant to Item 404(a) of Regulation S-K. Â On October 29, 2024, the Board of the Company approved the termination of the employment of Christos Kaskavelis, Chief Strategy Officer of the Company, for cause, effective immediately. Â Effective as of November 4, 2024, the Company appointed Messrs. Seth M. Lukash and Joseph P. Celia to the Board as Class II directors. Mr. Lukash will serve on the compensation and audit committees, and as chair of the audit committee. Mr. Celia will serve on the audit and compensation committees, respectively. Â Mr. Seth Lukash, 78, is a seasoned corporate director, officer, and investor. For 30 years he was a CEO for various technology and manufacturing companies. He was CEO and President of Tridex, Inc. (n/k/a TransAct Technologies (NASDAQ: TACT) a manufacturer of printers and peripherals to the banking, lottery/gaming, and retail sales markets. Mr. Lukash was Chairman and CEO of Progressive Software, a large provider of application software to the restaurant and hospitality industry. After the sale and divestiture of these companies he advised several technology companies. He has served as an advisor to OEM Capital a boutique investment banking firm and Strategic Turnaround Equity Partners, LP, a fund focused on investments in undervalued public companies. For the past two years he has advised an AI start-up with their organization and structuring for additional financing. He started his finance career as a research analyst for Carter Berlind & Weil. Mr. Lukash is a graduate of the University of Miami with a BA in Finance. Â Mr. Joseph P. Celia, 60, is a technology industry veteran with 30 years of experience with an impressive track record in building strategic partnerships, driving new business initiatives, and penetrating new markets. His dynamic and results-oriented approach in sales leadership within the rapidly evolving tech sector has consistently led to significant achievements. Mr. Celia has held executive and senior-level sales management positions at some of the tech industryâ€™s most respected organizations, including Hewlett Packard, Motorola, 3Com, Symbol Technologies, Bradford Networks, Accton Technology, and FIS Global. Mr. Celia has a BS from Northeastern University in Computer Technology. Â In connection with his appointment, the Board has determined that Mr. Lukash (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1); and (iii) is an â€œaudit committee financial expert,â€ as defined in Item 407(d)(5)(ii) of Regulation S-K. In connection with his appointment, the Board has determined that Mr. Celia (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); and (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1). Â There are no arrangements or understandings between any of the new Directors and any other person pursuant to which each was selected as a director, and there have been no transactions since the beginning of the Companyâ€™s last fiscal year, nor are there any currently proposed transactions, regarding the new Directors that are required to be disclosed by Item 404(a) of Regulation S-K promulgated under the Exchange Act. Â 36 Â Â RHyno Project awarded â‚¬34.5 Million by EU Innovation Fund Â On NovemberÂ 4, 2024, the Company announced that the Advent Renewable Hydrogen Innovative Technologies (RHyno) project initiated by its Greek subsidiary, Advanced Energy Technologies, SA was approved for the full amount of its requested grant in the amount of â‚¬34.5 million by the EU Innovation Fund. The Company is in the process of preparing the grant agreement per the instructions provided to it by the European Climate, Infrastructure and Environment Executive Agency (CINEA), which is expected to be signed in the first quarter of 2025. Â The RHyno project involves the establishment of infrastructure for developing and manufacturing innovative fuel cells, electrolysers, and their key components including the Companyâ€™s ground-breaking Membrane Electrode Assembly technology at a megawatt (MW) scale. RHyno aims to pioneer the use of innovative materials to enhance power density and lifespan while significantly reducing the weight and volume of power systems through a streamlined balance of plant. Â The state-of-the-art manufacturing facility is designed to optimize production processes, boost efficiency, and industrialize fuel cell and electrolyser technologies. These advancements are essential for decarbonizing carbon intense industries, such as the aviation, maritime and heavy-duty automotive sectors, with further potential for spillover to other sectors, positioning Advent at the forefront of the clean energy transition. Â Green HiPo Project approved by EU not expected to receive funding Â On JuneÂ 16, 2022, Advent announced the receipt of a notification from the Greek State informing the Company that the IPCEI Green HiPo was submitted for ratification by the EU for funding. On JulyÂ 15, 2022, Advent received official ratification from the European Commission of the EU. The Green HiPo project is designed to bring the development, design, and manufacture of HT-PEM fuel cells and electrolysers for the production of power and green hydrogen to the Western Macedonia region of Greece. Â In FebruaryÂ 2024, the Company received a formal invitation from the Greek State for â‚¬24 million grant for the Green HiPo IPCEI project, however, due to the two-year delay in receiving a signed agreement from the Greek Ministry of Economy and Finance and the uncertainty in the Companyâ€™s ability to secure the additional â‚¬36 million in funding, the Company does not expect any disbursement of the state aid package in the near future. Â On SeptemberÂ 16, 2024, Advent Technologies SA (â€œATSAâ€), a subsidiary of the Company, received a letter from the Greek Ministry of Finance (the â€œLetterâ€) indicating that the Company is no longer eligible to receive funding under the previously awarded grant with respect to the Important Projects of Common European Interest (â€œIPCEIâ€) proposed project, Green HiPo, due to the Companyâ€™s current financial condition. ATSA has filed an appeal as permitted by the Letter. Â Airbus Term Sheet to Launch a Joint Benchmarking Project Â On NovemberÂ 6, 2023, Advent announced that it entered into a term sheet with Airbus, a global leader in aeronautics, space, and related services, for a joint benchmarking project regarding an optimized Ion Pairâ„¢ Membrane Electrode Assembly (â€œMEAâ€) for hydrogen fuel cells. Airbus will provide financial support to the project and its extensive knowledge of the aviation industry. Advent will invest in people, materials, hardware, and third-party research centers, to contribute to the goals of the project. The multi-million dollar collaboration is currently expected to take place over two years. Â The goal of the project is to accelerate the development of Adventâ€™s MEA and benchmark the Ion Pair MEA against aviation requirements and current/expected technological limits. HT-PEM MEAs operating at temperatures higher than 180Â°C (360Â°F) aim to solve one of the largest challenges in aviation fuel cell use: thermal management. High-temperature fuel cells allow increased performance, increased passenger carrying capability, and increased range compared to low-temperature fuel cell stack technology. Advent believes that HT-PEM is a superior option not only for aviation, but also for heavy-duty trucks, the automotive industry and marine use. Â 37 Â Â At the Market Offering Agreement Â On JuneÂ 2, 2023, Advent entered into an At The Market Offering Agreement (the â€œATM Agreementâ€) with H.C. Wainwright & Co., LLC, as sales agent (the â€œAgentâ€), to create an at-the-market equity program under which it may sell up to $50 million of shares of Adventâ€™s Common Stock from time to time through the Agent (the â€œATM Offeringâ€). Under the ATM Agreement, the Agent will be entitled to a commission at a fixed rate of 3.0% of the gross proceeds from each sale of shares under the ATM Agreement. Â Sales of Common Stock, if any, under the ATM Agreement may be made in transactions that are deemed to be â€œat-the-market equity offeringsâ€ as defined in the Securities Act, including sales made by means of ordinary brokersâ€™ transactions, including on the Nasdaq Capital Market, at prevailing market prices at the time of sale or as otherwise agreed with the Agent. Advent has no obligation to sell, and the Agent is not obligated to buy or sell, any of the Common Stock under the Agreement and may at any time suspend offers under the Agreement or terminate the Agreement. The ATM Offering will terminate upon the termination of the ATM Agreement as permitted therein. As of SeptemberÂ 30, 2024, the Agent had sold an aggregate of 232,672 shares for total consideration to the Company of $1.7 million. Â Common Stock was issued pursuant to Adventâ€™s previously filed Registration Statement on Form S-3 (File No. 333-271389) that was declared effective on MayÂ 2, 2023, and a prospectus supplement and accompanying prospectus relating to the ATM Offering filed with the SEC on JuneÂ 2, 2023. Â Hood Park Facility Â In MarchÂ 2023, Advent announced that it had opened its new R&D and manufacturing facility at Hood Park in Boston, Massachusetts. On JuneÂ 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on JuneÂ 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. Â Collaboration with the Department of Energy Â The efforts with the constellation of Department of Energy National Laboratories (Los Alamos National Laboratory, LANL; Brookhaven National Laboratory, BNL; National Renewable Energy Laboratory, NREL) continue to gain momentum. This group of leading scientists and engineers is working closely with Adventâ€™s development and manufacturing teams and are furthering the understanding of breakthrough materials that will advance HT-PEM fuel cells. This next generation HT-PEM appears to be well suited for heavy duty transportation, marine, and aeronautical applications, as well as delivering benefits in cost and lifetime for stationary power systems used in telecom and other remote power markets. Â Agreements with Hyundai Motor Company (â€œHyundaiâ€) Â On AprilÂ 6, 2022, Advent announced the signing of a technology assessment, sales, and development agreement with Hyundai, a leading multinational automotive manufacturer offering a range of world-class vehicles and mobility services in over 200 countries. Advent and Hyundai aim to deliver green energy solutions to current high carbon applications, using fuel cell technology. Under the agreement, Hyundai will provide catalysts to Advent for evaluation in its proprietary MEAs, while Advent intends to support Hyundai in fulfilling its fuel cell project needs, through: Â â— Developing inks and structures using Hyundai catalysts, which will then be evaluated by Hyundai. Following evaluation, Hyundai will determine whether their own or standard catalysts will be used for this project. Â â— Supplying MEAs throughout the development/commercialization cycle (â€œAdvent MEAsâ€) for testing, evaluation, and optimization under conditions set by Hyundai. Â â— Assisting Hyundai with the use and specifications of MEAs as well as their implementation into Hyundaiâ€™s designs. Â 38 Â Â On MarchÂ 23, 2023, Hyundai announced a successful technology assessment with Advent and following its success, Advent and Hyundai entered into a Joint Development Agreement (â€œJDAâ€). Under the agreement, Hyundai and Advent will work together to further develop HMC-Advent Ion Pairâ„¢ MEA, establish commercial criteria for MEA supply, and evaluate Adventâ€™s advanced fuel cell technology for Hyundaiâ€™s heavy-duty and/or stationary application. Additionally, the parties will introduce advanced cooling technologies for mobility HT-PEM fuel cell stacks. Advent will work closely as Hyundai evaluates these stack cooling technologies and ensure optimal performance under different operating conditions. Â This partnership builds upon a commitment from both companies to develop sustainable energy solutions for carbon-intensive applications. Hyundai aims to accelerate the establishment of a hydrogen-based society based on its vision, Progress for Humanity, and this JDA aligns with that vision. The synergy generated by combining the two companiesâ€™ advanced technology in this JDA is expected to revolutionize the global MEA market by providing significant improvement in lifetime and an increase in power density versus current HT-PEM MEAs. Â Selection of Wearable Fuel Cell for the DOD 2021 Validation Program Â On MarchÂ 31, 2021, we announced that Adventâ€™s 50 W Reformed Methanol Wearable Fuel Cell Power System (â€œHoney Badgerâ€) had been selected by the DoD National Defense Center for Energy and Environment (â€œNDCEEâ€) to take part in its demonstration/validation program for 2021. The NDCEE is a DOD program that addresses high-priority environmental, safety, occupational health, and energy technological challenges that are demonstrated and validated at active installations for military application. The Company believes Adventâ€™s Honey Badger 50â„¢ (â€œHB50â€) fuel cell is the only fuel cell that is part of this program that supports the U.S. Armyâ€™s goal of having a technology-enabled force by 2028. Â Launch of the Honey Badger 50â„¢ Fuel Cell System Â On AugustÂ 4, 2022, we announced the launch of our HB50 power system, a compact portable fuel cell system and quiet power supply for use in off-grid field applications such as military and rescue operations. The launch of Adventâ€™s portable power system coincided with the Companyâ€™s fulfilment of its first shipment order from the U.S. Department of Defense. The HB50 power system can be fueled by biodegradable methanol, allowing near silent generation of up to 50W of continuous power with clean emissions. Designed for covert operations, HB50 can easily power radio and satellite communications gear, remote fixed and mobile surveillance systems, and laptop computers along with more general battery charging needs. HB50 is a unique technology that can provide 65% of weight savings versus batteries over a typical 72-hour mission. The weight savings benefit increases further for longer missions. Â

HB50â€™s unique design allows it to be used in soldier-worn configurations or operated inside a portable backpack or vehicle while charging batteries and powering soldier systems, while its thermal features allow it to operate within an ambient temperature range of -20Â°C to +55Â°C. Aside from its optimized compatibility with Integrated Visual Augmentation System (â€œIVASâ€), HB50 can also power devices such as high frequency radios like the model 117G, as well as B-GAN and StarLink terminals. HB50â€™s durability allows it to be easily deployed in challenging conditions and climates while supporting mission mobility for three to seven days without the need to re-supply. Â Since Honey Badgerâ€™s fuel cell technology can run on hydrogen or liquid fuels, the system can operate at a fraction of the weight of traditional military-grade batteries to meet the U.S. Department of Defenseâ€™s continuously evolving needs for â€˜on-the-goâ€™ electronics needs. As military adoption and use of IVAS equipment continues to evolve, the highly portable lightweight power solutions like Honey Badger and HB50 will become a mission critical necessity. Â In SeptemberÂ 2023, Advent secured a new $2.2 million contract with the U.S. DOD. This milestone achievement comes under the General Technical Services prime contract and will play a crucial role in supporting the demanding defense mission requirements of the U.S. Army. This contract is the continuation of a series of past contracts with the U.S. DOD and its primary objective is to further optimize Adventâ€™s proprietary Honey Badger 50â„¢ portable fuel cell system by integrating the Companyâ€™s innovative Ion Pair MEA technology. Upon the completion of this new 12-month contract, Advent and the U.S. DOD aim to reinforce their long-term collaboration by focusing on the manufacturing process of the enhanced HB50 fuel cell system, that will enable high-volume production manufacturing capacity. MEAs form the heart of the fuel cell, and their performance determines the lifetime, efficiency, weight, and to a large extent, the cost of the end electrochemistry products. Adventâ€™s Ion Pair MEA technology is anticipated to significantly enhance HB50â€™s performance, resulting in higher power density and improved compact packaging, making it an ideal solution for off-grid field applications, including military and rescue operations. Â 39 Â Â In DecemberÂ 2023, Advent secured a new $2.8 million contract with the U.S. DOD. Under this new defense contract which comes under the umbrella of the Envision Innovative Solutions (â€œEISâ€™â€™), Advent will develop advanced manufacturing processes to enable a substantial increase in the production capacity while maintaining quality of the HB50 system. This new project is aligned with Adventâ€™s and the DODâ€™s shared objective to strengthen their long-term collaboration and transform HB50 into a portable and clean source of power. Â Advent Technologies A/S declared bankrupt Â On JulyÂ 25, 2024, Advent Technologies A/S was declared bankrupt by the court in Aalborg, Denmark. The petition was brought by IDA, the union of engineers with a claim for â‚¬402,000. As the Company did not have the ability to pay the full amount due, the Danish court declared Advent Technologies A/S bankrupt. Advent Technologies A/S and its wholly-owned subsidiary Green Energy Philippines, Inc. will be liquidated by the court appointed trustee to settle all claims under the bankruptcy. The Company anticipates it will receive no residual assets. The remainder of the Companyâ€™s legal entities have no plans to declare bankruptcy and will continue as going concern entities. Â Key Factors Affecting Our Results Â Advent believes that its performance and future success depend on several factors that present significant opportunities for Advent but also pose risks and challenges, including those discussed below. Â Increased Customer Demand Â Based on conversations with existing customers and incoming inquiries from new customers, Advent anticipates substantial increased demand for its fuel cell systems and MEAs from a wide range of customers as it scales up its production facilities and testing capabilities, and as the awareness of its MEA capabilities becomes widely known in the industry. In order for Advent to be able to capitalize this opportunity the Company will need to accomplish the MEA performance targets and also partner with OEMs that can bring end products to the market based on Adventâ€™s technology. Advent is focusing its efforts on enabling these OEMs and working with them closely. Â Successful development of the Advanced MEA product Â Adventâ€™s future success depends in large part on the increasing integration of the hydrogen and efuel (eMethanol, renewable natural gas) fuel cell into the energy transition globally over the next decade. In order to become cost-competitive with existing renewable power generation and energy storage technology and achieve widespread adoption, fuel cells will need to achieve substantial improvement in the cost/kW performance ratio delivered to prospective fuel cell customers, predominantly OEMs, System Integrators and major energy companies. Advent expects to play an important enabling role in the adoption of hydrogen and methanol fuel cells, as its MEA technology is the critical determining factor in the cost/kW performance ratio of the fuel cells. In partnership with the Los Alamos National Laboratory, Advent is currently developing its next generation MEA technology (â€œAdvent MEAâ€) which is anticipated to deliver as much as three times the power output of its current MEA product. While Advent is already projecting being able to pass through cost benefits to its customers through economies of scale as it increases MEA production, the successful development of the Advent MEA will be an important factor in delivering the required improvement in cost/kw performance to Adventâ€™s customers. Â Basis of Presentation Â Adventâ€™s consolidated financial statements have been prepared in accordance with U.S. GAAP. Advent has determined that it operates in one reportable segment. See Note 1 â€œBasis of Presentationâ€ in the accompanying consolidated financial statements for more information. Â Components of Results of Operations Â Revenue Â Revenues consist of sales of goods (MEAs, membranes, fuel cell stacks, fuel cell systems and electrodes) and servicing of those systems, as well as engineering fees and revenue from Joint Development Agreements (JDAs) and Technology Assessment Agreements (TAAs) with world-leading OEMs for the development of joint products. Advent expects revenues to increase materially and be weighted towards JDAs and TAAs over time. Â 40 Â Â Cost of Revenues Â Cost of revenues consists of consumables, raw materials, processing costs and direct labor costs associated with the assembly, manufacturing, and servicing of MEAs, membranes, fuel cell stacks and systems and electrodes. Advent expects cost of revenues to increase substantially in line with increased production. Advent recognizes cost of revenues in the period that revenues are recognized. Â Income from Grants Â Income from grants consists of cash subsidies received from research agencies and other national and international organizations in support of Adventâ€™s research and development activities. Advent expects to continue to be eligible for grant income and remains in discussion with a number of prospective grantors in relation to a number of product development activities. Â Research and Development Expenses Â Research and development expenses consist of costs associated with Adventâ€™s research and development activities, such as laboratory costs and sample material costs. Â Administrative and Selling Expenses Â Administrative and selling expenses consist of travel expenses, indirect labor costs, fees paid to consultants, third parties and service providers, taxes and duties, legal and audit fees, depreciation, business development salaries and limited marketing activities, and incentive and stock-based compensation expense. Advent expects administrative and selling expenses to increase in line with production and revenue as the business scales up, and as a result of operating as a public company, including compliance with the rules and regulations of the SEC, legal, audit, additional insurance expenses, investor relations activities and other administrative and professional services. Â Amortization of intangibles Â Amortization expense of $1 thousand and $0.1 million was recognized in relation to these intangibles for the three months ended SeptemberÂ 30, 2024 and 2023, respectively. Amortization expense of $3 thousand and $0.5 million was recognized in relation to these intangibles for the nine months ended SeptemberÂ 30, 2024 and 2023, respectively. The reduction in the amortization expense is due to significant impairment charges that were recognized in 2023. Â Impairment Losses Â We recognized impairment losses in the second quarter of 2023, primarily related to goodwill and other intangible assets from the UltraCell and SerEnergy and FES acquisitions. Â Other Income / (Expenses), net Â Other income / (expenses) consist of additional de minimis incidental income / (expenses) incurred by the business. These income / (expenses) are expected to remain at a de minimis level in the future. Â Change in Fair Value of Warrant Liability Â The change in fair value of warrant liability amounting to nil and $0.1 million for the three and nine months ended SeptemberÂ 30, 2024, respectively, represents the change in fair value of the Private Placement Warrants and Working Capital Warrants. The change in fair value of warrant liability amounting to $(0.1) million and $0.4 million for the three and nine months ended SeptemberÂ 30, 2023, respectively, represents the change in fair value of the Private Placement Warrants and Working Capital Warrants. Â 41 Â Â Finance income / (expenses), net Â Finance income / (expenses) consist mainly of bank and interest charges. Â Foreign Exchange Gains / (Losses), net Â Foreign exchange gains / (losses) consists of foreign exchange gains or losses on transactions denominated in foreign currencies and on translation of monetary items denominated in foreign currencies. As Advent scales up, our foreign exchange exposure is likely to increase given its revenues are denominated in both euros and dollars, and a portion of our costs are denominated in euros and Danish krone. Â Income taxes Â During the three and nine months ended SeptemberÂ 30, 2024, the Company recorded income tax benefit of nil and $0.1 million, respectively, mainly related to net operating loss carryforwards. During the three and nine months ended SeptemberÂ 30, 2023, we recorded income tax benefits of $0.1 million and $0.2 million, respectively. Â Results of Operations Â Comparison of the Three Months Ended SeptemberÂ 30, 2024 to Three Months Ended SeptemberÂ 30, 2023 Â The following table sets forth a summary of our consolidated results of operations for the three months ended SeptemberÂ 30, 2024 and 2023, and the changes between periods. Â Â Â Three months endedSeptemberÂ 30,(Unaudited) Â Â Â Â (Amounts in thousands, except share and per share amounts) Â 2024 Â Â 2023 Â Â $ change Â Â % change Â Revenue, net Â $ 128 Â Â $ 112 Â Â $ 16 Â Â Â 14.3 % Cost of revenues Â Â (336) Â Â (807) Â Â 471 Â Â Â (58.4)% Gross loss Â Â (208) Â Â (695) Â Â 487 Â Â Â (70.1)% Income from grants Â Â 137 Â Â Â 242 Â Â Â (105) Â Â (43.4)% Research and development expenses Â Â (411) Â Â (1,197) Â Â 786 Â Â Â (65.7)% Administrative and selling expenses Â Â (3,135) Â Â (8,000) Â Â 4,865 Â Â Â (60.8)% Sublease income Â Â - Â Â Â 139 Â Â Â (139) Â Â N/A Â Amortization of intangibles Â Â (1) Â Â (117) Â Â 116 Â Â Â (99.1)% Credit loss â€“ customer contracts Â Â (4,309) Â Â (3) Â Â (4,306) Â Â N/A Â Operating loss Â Â (7,927) Â Â (9,631) Â Â 1,704 Â Â Â (17.7)% Fair value change of warrant liability Â Â - Â Â Â (134) Â Â 134 Â Â Â (100.0)% Finance income / (expenses), net Â Â (14) Â Â (72) Â Â 58 Â Â Â (80.6)% Foreign exchange gains / (losses), net Â Â (1,672) Â Â (22) Â Â (1,650) Â Â 7,500.0 % Loss contingency Â Â - Â Â Â - Â Â Â - Â Â Â N/A Â Other income / (expenses), net Â Â (2) Â Â (113) Â Â 111 Â Â Â (98.2)% Loss before income tax Â Â (9,615) Â Â (9,972) Â Â 357 Â Â Â (3.6)% Income tax Â Â - Â Â Â 81 Â Â Â (81) Â Â (100.0)% Net loss from continuing operations Â Â (9,615) Â Â (9,891) Â Â 276 Â Â Â (2.8)% Income (loss) from discontinued operations Â Â (8,907) Â Â (1,955) Â Â (6,952) Â Â 355.6 % Net loss Â $ (18,522) Â $ (11,846) Â Â (6,676) Â Â 56.4 % Net loss per share Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic loss per share from continuing operations Â Â (3.65) Â Â (4.92) Â Â 1.27 Â Â Â N/A Â Basic loss per share from discontinued operations Â Â (3.38) Â Â (0.97) Â Â (2.41) Â Â N/A Â Basic loss per share Â Â (7.03) Â Â (5.89) Â Â (1.14) Â Â N/A Â Basic weighted average number of shares Â Â 2,636,508 Â Â Â 2,012,382 Â Â Â N/A Â Â Â N/A Â Diluted loss per share from continuing operations Â Â (3.65) Â Â (4.92) Â Â 1.27 Â Â Â N/A Â Diluted loss per share from discontinued operations Â Â (3.38) Â Â (0.97) Â Â (2.41) Â Â N/A Â Diluted loss per share Â Â (7.03) Â Â (5.89) Â Â (1.14) Â Â N/A Â Diluted weighted average number of shares Â Â 2,636,508 Â Â Â 2,012,382 Â Â Â N/A Â Â Â N/A Â Â 42 Â Â Revenue, net Â Our total revenue remained consistent at $0.1 million for the three months ended SeptemberÂ 30, 2024 and 2023. Â Cost of Revenues Â Cost of revenues decreased by approximately $0.5 million from approximately $0.8 million in the three months ended SeptemberÂ 30, 2023 to approximately $0.3 million in the three months ended SeptemberÂ 30, 2024. The decrease in cost of revenues was related to the decrease in sales and the focus on providing services under Joint Development Agreements (JDAs) and Technology Assessment Agreements (TAAs) and a shift from product sales during the period. Â Income from Grants Â Our income from grants was consistent at $0.1 million and $0.2 million in the three months ended SeptemberÂ 30, 2024 and 2023, respectively. Â Research and Development Expenses Â Research and development expenses were approximately $0.4 million and $1.2 million in the three months ended SeptemberÂ 30, 2024 and 2023, respectively, primarily related to internal research and development costs, as well as our cooperative research and development agreement with the U.S. Department of Energy. Â Administrative and Selling Expenses Â Administrative and selling expenses were approximately $3.1 million in the three months ended SeptemberÂ 30, 2024, and $8.0 million in the three months ended SeptemberÂ 30, 2023. The decrease was primarily due to staff departures and cost reductions implemented throughout 2024 and 2023. Â Sublease income Â The Company earned sublease income of nil and $0.1 million in the three months ended SeptemberÂ 30, 2024 and 2023, respectively. The sublease was terminated in AprilÂ 2024. Â Change in fair value of Warrant Liability Â The change in fair value of warrant liability amounting to nil and $0.1 million was due to the change in fair value of the Private Placement Warrants and Working Capital Warrants for the three months ended SeptemberÂ 30, 2024 and 2023, respectively. Â Other Income / (Expenses), Net Â Other income / (expenses) of $(0.1) million for the three months ended SeptemberÂ 30, 2023 primarily relate to the Lincoln Park Purchase Agreement. Â 43 Â Â Comparison of the Nine Months Ended SeptemberÂ 30, 2024 to Nine Months Ended SeptemberÂ 30, 2023 Â The following table sets forth a summary of our consolidated results of operations for the nine months ended SeptemberÂ 30, 2024 and 2023, and the changes between periods. Â Â Â Nine months ended SeptemberÂ 30,(Unaudited) Â Â Â Â (Amounts in thousands, except share and per share amounts) Â 2024 Â Â 2023 Â Â $ change Â Â % change Â Revenue, net Â $ 3,520 Â Â $ 222 Â Â $ 3,298 Â Â Â 1,485.6 % Cost of revenues Â Â (896) Â Â (1,336) Â Â 440 Â Â Â (32.9)% Gross loss Â Â 2,624 Â Â Â (1,114) Â Â 3,738 Â Â Â (335.5)% Income from grants Â Â 1,399 Â Â Â 788 Â Â Â 611 Â Â Â 77.5 % Research and development expenses Â Â (2,521) Â Â (4,745) Â Â 2,224 Â Â Â (46.9)% Administrative and selling expenses Â Â (6,954) Â Â (10,786) Â Â 3,832 Â Â Â (35.5)% Sublease income Â Â 145 Â Â Â 404 Â Â Â (259) Â Â (64.1)% Amortization of intangibles Â Â (3) Â Â (526) Â Â 523 Â Â Â (99.4)% Credit loss â€“ customer contracts Â Â (4,309) Â Â (63) Â Â (4,246) Â Â 6,739.7 % Impairment losses Â Â - Â Â Â (9,763) Â Â 9,763 Â Â Â N/A Â Operating loss Â Â (9,619) Â Â (25,805) Â Â 16,186 Â Â Â (62.7)% Fair value change of warrant liability Â Â 59 Â Â Â 355 Â Â Â (296) Â Â (83.4)% Finance income / (expenses), net Â Â (300) Â Â (522) Â Â 222 Â Â Â (42.5)% Foreign exchange gains / (losses), net Â Â (1,837) Â Â 107 Â Â Â (1,944) Â Â (1,816.8)% Loss contingency Â Â (4,871) Â Â - Â Â Â (4,871) Â Â N/A Â Net gains / (losses) on disposal/write-offs of property, plant and equipment and intangible assets Â Â (12,735) Â Â - Â Â Â (12,735) Â Â N/A Â Other income / (expenses), net Â Â 4 Â Â Â 869) Â Â 873 Â Â Â (100.5)% Loss before income tax Â Â (29,299) Â Â (26,734) Â Â (2,565) Â Â 9.6 % Income tax Â Â 55 Â Â Â 204 Â Â Â (149) Â Â (73.0)% Net loss from continuing operations Â Â (29,244) Â Â (26,530) Â Â (2,714) Â Â 10.2 % Income (loss) from discontinued operations Â Â (9,907) Â Â (19,135) Â Â 9,228 Â Â Â (48.2)% Net loss Â $ (39,151) Â $ (45,665) Â $ 6,514 Â Â Â (14.3)% Net loss per share Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic loss per share from continuing operations Â Â (11.17) Â Â (14.39) Â Â 3.23 Â Â Â N/A Â Basic loss per share from discontinued operations Â Â (3.78) Â Â (10.38) Â Â 6.60 Â Â Â N/A Â Basic loss per share Â Â (14.95) Â Â (24.78) Â Â 9.82 Â Â Â N/A Â Basic weighted average number of shares Â Â 2,618,601 Â Â Â 1,843,154 Â Â Â N/A Â Â Â N/A Â Diluted loss per share from continuing operations Â Â (11.17) Â Â (14.39) Â Â 3.23 Â Â Â N/A Â Diluted loss per share from discontinued operations Â Â (3.78) Â Â (10.38) Â Â 6.60 Â Â Â N/A Â Diluted loss per share Â Â (14.95) Â Â (24.78) Â Â 9.82 Â Â Â N/A Â Diluted weighted average number of shares Â Â 2,618,601 Â Â Â 1,843,154 Â Â Â N/A Â Â Â N/A Â Â Revenue, net Â Our total revenue increased by approximately $3.3 million from approximately $0.2 million in the nine months ended SeptemberÂ 30, 2023 to approximately $3.5 million in the nine months ended SeptemberÂ 30, 2024. The increase was driven by our services provided under Joint Development Agreements (JDAs) and Technology Assessment Agreements (TAAs) in the nine months ended SeptemberÂ 30, 2024. Â Cost of Revenues Â Cost of revenues decreased by approximately $0.4 million from approximately $1.3 million in the nine months ended SeptemberÂ 30, 2023 to approximately $0.9 million in the nine months ended SeptemberÂ 30, 2024. The decrease in cost of revenues was related to the focus on providing services under Joint Development Agreements (JDAs) and Technology Assessment Agreements (TAAs) and a shift from product sales during the period. Â 44 Â Â Income from Grants Â Our income from grants increased by approximately $0.6 million from approximately $0.8 million in the nine months ended SeptemberÂ 30, 2023 to approximately $1.4 million in the nine months ended SeptemberÂ 30, 2024. The increase was driven by our services provided in Greece in the three months ended SeptemberÂ 30, 2024. Â Research and Development Expenses Â Research and development expenses were approximately $2.5 million and $4.7 million in the nine months ended SeptemberÂ 30, 2024 and 2023, respectively, primarily related to internal research and development costs, as well as our cooperative research and development agreement with the U.S. Department of Energy. Â Administrative and Selling Expenses Â Administrative and selling expenses were approximately $7.0 million in the nine months ended SeptemberÂ 30, 2024, and $10.8 million in the nine months ended SeptemberÂ 30, 2023. The expenses are primarily derived from payroll, stock based compensation, rent, legal fees and contractor costs. Â Sublease income Â The Company earned sublease income of $0.1 million and $0.4 million in the nine months ended SeptemberÂ 30, 2024 and 2023, respectively. The sublease was terminated in AprilÂ 2024. Â Impairment Losses Â We recognized impairment losses of $9.8 million in the nine months ended September 30, 2023, primarily related to goodwill and other intangible assets from the UltraCell and SerEnergy and FES acquisitions. Â Change in Fair Value of Warrant Liability Â The change in fair value of warrant liability amounting to $0.1 million and $0.4 million was due to the change in fair value of the Private Placement Warrants and Working Capital Warrants for the nine months ended SeptemberÂ 30, 2024 and 2023, respectively. Â Finance income / (expenses), net Â Finance income / (expenses) of $0.3 million and $0.5 million for the nine months ended SeptemberÂ 30, 2024 and 2023, respectively. Â Foreign exchange gains / (losses), net Â The Company recognized $(1.8) million of losses due to foreign exchange for the nine months ended September 30, 2024. The Company recognized $0.1 million of gains due to foreign exchange for the nine months ended September 30, 2023. Â Other Income / (Expenses), Net Â Other income / (expenses) of $0.1 million for the nine months ended SeptemberÂ 30, 2024. Other income / (expenses) of $(0.9) million for the nine months ended SeptemberÂ 30, 2023, primarily relate to the Lincoln Park Purchase Agreement. Â Loss contingency Â The Company accrued a loss contingency of $4.9 million related to the Fischer litigation for the nine months ended

September 30, 2024. Â Net gains / (losses) on disposal/write-offs of property, plant and equipment and intangible assets Â The Company recorded net losses of $12.7 million related to the exit of Hood Park and the sale of the coating machines for the nine months ended September 30, 2024. Â Liquidity and Capital Resources Â At SeptemberÂ 30, 2024 and for the nine months then ended, the Company had $0.2 million in cash and cash equivalents, provided $3.1 million of cash in operating activities, had $2.1 million in current assets and $25.1 million in current liabilities, leaving the Company a working capital deficit of $(23.0) million. Â 45 Â Â A major financial challenge and significant risk facing the Company is a lack of positive cash flow and liquidity. The Companyâ€™s ability to meet its liquidity needs will largely depend on its ability to raise capital in the very short term and generate cash in the future. If the Company is unable to obtain sufficient funding, it could be required to delay its development efforts, limit activities, and further reduce research and development costs, which could adversely affect its business prospects and delivery of contractual obligations. A cash shortfall at any point in time over the next twelve months could result in the Company failing to meet its overdue and current obligations which could trigger action against the Company and/or its subsidiaries for liquidation by employees, authorities, or creditors. Because of the uncertainty in securing additional funding, delays in growth of revenue, failure to materialize cost-cutting efforts and the insufficient amount of cash and cash equivalents as of the consolidated financial statement filing date, management has concluded that substantial doubt exists with respect to the Companyâ€™s ability to continue as a going concern for one year from the date the consolidated financial statements are issued. Â The following table sets forth a summary of our consolidated cash flows for the nine months ended SeptemberÂ 30, 2024 and 2023, and the changes between periods. Â Â Â Nine Months EndedSeptemberÂ 30,(unaudited) Â Â Â Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â $ change Â Â % change Â Net Cash used in Operating Activities Â $ 3,088 Â Â $ (36,240) Â $ 39,328 Â Â Â (108.5)% Â Â Â Â

Reconciliations Â In addition to providing measures prepared in accordance with GAAP, we present certain supplemental non-GAAP measures. These measures are EBITDA, Adjusted EBITDA and Adjusted Net Income / (Loss), which we use to evaluate our operating performance, for business planning purposes and to measure our performance relative to that of our peers. These non-GAAP measures do not have any standardized meaning prescribed by GAAP and therefore may differ from similar measures presented by other companies and may not be comparable to other similarly titled measures. We believe these measures are useful in evaluating the operating performance of Adventâ€™s ongoing business. These measures should be considered in addition to, and not as a substitute for net income, operating expense and income, cash flows and other measures of financial performance and liquidity reported in accordance with GAAP. The calculation of these non-GAAP measures has been made on a consistent basis for all periods presented. Â 50 Â Â EBITDA and Adjusted EBITDA Â These supplemental non-GAAP measures are provided to assist readers in determining our operating performance. We believe this measure is useful in assessing performance and highlighting trends on an overall basis. We also believe EBITDA and Adjusted EBITDA are frequently used by securities analysts and investors when comparing our results with those of other companies. EBITDA differs from the most comparable GAAP measure, net income / (loss), primarily because it does not include interest, income taxes, depreciation of property, plant and equipment, and amortization of intangible assets. Adjusted EBITDA adjusts EBITDA for items such as one-time transaction costs, asset impairment charges, and fair value changes in the warrant liability. Â The following tables show a reconciliation of net loss to EBITDA and Adjusted EBITDA for the three and nine months ended SeptemberÂ 30, 2024 and 2023. Â EBITDA and Adjusted EBITDA Â Three months endedSeptemberÂ 30,(Unaudited) Â Â Â

establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â Â a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â Â Â Â b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â Â Â Â c. Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â Â Â Â d. Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and Â Â 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): Â Â a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and Â Â Â Â b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting. Â Date: DecemberÂ 26, 2024 Â Â Â /s/ Gary Herman Â Gary Herman Â Interim Chief Executive Officer Â Â Â EX-31.2 3 adventtech_ex31-2.htm EXHIBIT 31.2 Â Exhibit 31.2 Â CERTIFICATION PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 Â I, Gary Herman, certify that: Â Â 1. I have reviewed this report on Form 10-Q of Advent Technologies Holdings, Inc.; Â Â Â Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â Â Â Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; Â Â Â Â 4. The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: Â Â a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â Â Â Â b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â Â Â Â c. Evaluated the effectiveness of the registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â Â Â Â d. Disclosed in this report any change in the registrantâ€™s internal control over financial reporting that occurred during the registrantâ€™s most recent fiscal quarter (the registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantâ€™s internal control over financial reporting; and Â Â 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): Â Â a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantâ€™s ability to record, process, summarize and report financial information; and Â Â Â Â b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal control over financial reporting. Â Date: December 26, 2024 Â Â Â /s/ Gary Herman Â Gary Herman Â Interim Chief Financial Officer Â Â Â EX-32.1 4 adventtech_ex32-1.htm EXHIBIT 32.1 Â Exhibit 32.1 Â CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 Â Pursuant to the requirement set forth in Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. Â§1350), Gary Herman, Interim Chief Executive Officer of Advent Technologies Holdings, Inc. (the â€œCompanyâ€), hereby certifies that, to such officerâ€™s knowledge: Â Â 1. The Companyâ€™s Quarterly Report on Form 10-Q for the period ended SeptemberÂ 30, 2024 (the â€œReportâ€), to which this Certification is attached as Exhibit 32.1, fully complies with the requirements of Section 13(a) or Section 15(d) of the Exchange Act; and Â Â Â Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: DecemberÂ 26, 2024 Â Â Â /s/ Gary Herman Â Gary Herman Â Interim Chief Executive Officer Â Â Â EX-32.2 5 adventtech_ex32-2.htm EXHIBIT 32.2 Â Exhibit 32.2 Â CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 Â Pursuant to the requirement set forth in Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended (the â€œExchange Actâ€), and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. Â§1350), Gary Herman, Interim Chief Financial Officer of Advent Technologies Holdings, Inc. (the â€œCompanyâ€), hereby certifies that, to such officerâ€™s knowledge: Â Â 1. The Companyâ€™s Quarterly Report on Form 10-Q for the period ended SeptemberÂ 30, 2024 (the â€œReportâ€), to which this Certification is attached as Exhibit 32.2, fully complies with the requirements of Section 13(a) or Section 15(d) of the Exchange Act; and Â Â Â Â 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: DecemberÂ 26, 2024 Â Â Â /s/ Gary Herman Â Gary Herman Â Interim Chief Financial Officer Â Â Â EX-101.SCH 6 adn-20240930.xsd XBRL SCHEMA FILE 00000001 - Document - Cover link:presentationLink link:calculationLink link:definitionLink 00000002 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000003 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 00000004 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000005 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000006 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000007 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) link:presentationLink link:calculationLink link:definitionLink 995613 - Disclosure - Basis of presentation link:presentationLink link:calculationLink link:definitionLink 995614 - Disclosure - Summary of Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 995615 - Disclosure - Related party disclosures link:presentationLink link:calculationLink link:definitionLink 995616 - Disclosure - Accounts receivable, net link:presentationLink link:calculationLink link:definitionLink 995617 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 995618 - Disclosure - Prepaid expenses and other current assets link:presentationLink link:calculationLink link:definitionLink 995619 - Disclosure - Intangible Assets link:presentationLink link:calculationLink link:definitionLink 995620 - Disclosure - Property, plant and equipment, net link:presentationLink link:calculationLink link:definitionLink 995621 - 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Disclosure - Commitments and contingencies link:presentationLink link:calculationLink link:definitionLink 995632 - Disclosure - Net loss per share link:presentationLink link:calculationLink link:definitionLink 995633 - Disclosure - Discontinued Operations link:presentationLink link:calculationLink link:definitionLink 995634 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 995635 - Disclosure - Summary of Significant Accounting Policies (Policies) link:presentationLink link:calculationLink link:definitionLink 995636 - Disclosure - Basis of presentation (Tables) link:presentationLink link:calculationLink link:definitionLink 995637 - Disclosure - Summary of Significant Accounting Policies (Tables) link:presentationLink link:calculationLink link:definitionLink 995638 - Disclosure - Related party disclosures (Tables) link:presentationLink link:calculationLink link:definitionLink 995639 - Disclosure - Accounts receivable, net (Tables) link:presentationLink link:calculationLink link:definitionLink 995640 - 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Disclosure - Discontinued Operations (Details 1) link:presentationLink link:calculationLink link:definitionLink 995691 - Disclosure - Subsequent Events (Details Narrative) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 7 adn-20240930_cal.xml XBRL CALCULATION FILE EX-101.DEF 8 adn-20240930_def.xml XBRL DEFINITION FILE EX-101.LAB 9 adn-20240930_lab.xml XBRL LABEL FILE Class of Stock [Axis] Common Stock, par value $0.0001 per share Warrants Equity Components [Axis] Preferred Stock Series A [Member] Preferred Stock Series Seed [Member] Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] AOCI Attributable to Parent [Member] Business Acquisition [Axis] AMCI Acquisition Corp [Member] Cash and Cash Equivalents [Axis] Cash Equivalents [Member] Consolidated Entities [Axis] Advent Technologies Inc. [Member] Ownership [Axis] Direct Ownership [Member] Indirect Ownership [Member] Advent Technologies S.A. [Member] Advent Technologies LLC [Member] Advent Technologies GmbH [Member] Long-Term Debt, Type [Axis] Convertible Bond Loan [Member] Liability Class [Axis] Derivative Financial Instruments, Liabilities [Member] Class of Warrant or Right [Axis] Working Capital Warrants [Member] Related and Nonrelated Parties [Axis] Investor [Member] Private Placement Warrant [Member] Derivative Financial Instruments, Assets [Member] Measurement Frequency [Axis] Fair Value, Recurring [Member] Fair Value Hierarchy and NAV [Axis] Fair Value, Inputs, Level 3 [Member] Vassilios Gregoriou [Member] Maria Gregoriou [Member] Emory S. De Castro [Member] Finite-Lived Intangible Assets by Major Class [Axis] Computer Software, Intangible Asset [Member] Ultra Cell LLC [Member] Indefinite-Lived Intangible Assets [Axis] Trade Names [Member] Patents [Member] In Process Research and Development [Member] Order or Production Backlog [Member] Asset Class [Axis] Finite-Lived Intangible Assets [Member] Change in Accounting Estimate by Type [Axis] Intangible Assets, Amortization Period [Member] Long-Lived Tangible Asset [Axis] Land, Buildings and Improvements [Member] Machinery [Member] Equipment [Member] Title and Position [Axis] Hood Park [Member] Suppliers [Member] Statement of Financial Position Location, Balance [Axis] Other Noncurrent Assets [Member] Sale of Stock [Axis] IPO [Member] Counterparty Name [Axis] H.C. Wainwright & Co., LLC [Member] Stockholders [Member] Board [Member] Warrant [Member] Private Placement Warrants [Member] Plan Name [Axis] Equity Incentive Plan 2021 [Member] Award Type [Axis] Share-Based Payment Arrangement, Option [Member] Restricted Stock Units (RSUs) [Member] Product and Service [Axis] Sales of Goods [Member] Service [Member] Timing of Transfer of Good or Service [Axis] Transferred at Point in Time [Member] Transferred over Time [Member] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Cooperative Research and Development Agreement [Member] Collaborative Arrangement [Member] Geographical [Axis] North America [Member] Europe [Member] Asia [Member] Operating Activities [Axis] Discontinued Operations [Member] Purchase Agreement [Member] Senior Note [Member] Statement [Table] Statement [Line Items] Document Type Amendment Flag Amendment Description Document Registration Statement Document Annual Report Document Quarterly Report Document Transition Report Document Shell Company Report Document Shell Company Event Date Document Period Start Date Document Period End Date Document Fiscal Period Focus Document Fiscal Year Focus Current Fiscal Year End Date Entity File Number Entity Registrant Name Entity Central Index Key

Entity Primary SIC Number Entity Tax Identification Number Entity Incorporation, State or Country Code Entity Address, Address Line One Entity Address, Address Line Two Entity Address, Address Line Three Entity Address, City or Town Entity Address, State or Province Entity Address, Country Entity Address, Postal Zip Code Country Region City Area Code Local Phone Number Extension Written Communications Soliciting Material Pre-commencement Tender Offer Pre-commencement Issuer Tender Offer Title of 12(b) Security No Trading Symbol Flag Trading Symbol Security Exchange Name Title of 12(g) Security Security Reporting Obligation Annual Information Form Audited Annual Financial Statements Entity Well-known Seasoned Issuer Entity Voluntary Filers Entity Current Reporting Status Entity Interactive Data Current Entity Filer Category Entity Small Business Entity Emerging Growth Company Elected Not To Use the Extended Transition Period Document Accounting Standard Other Reporting Standard Item Number Entity Shell Company Entity Public Float Entity Bankruptcy Proceedings, Reporting Current Entity Common Stock, Shares Outstanding Documents Incorporated by Reference [Text Block] Statement of Financial Position [Abstract] ASSETS Current assets: Cash and cash equivalents Restricted cash, current Accounts receivable, net Contract assets Inventories Prepaid expenses and Other current assets Assets of discontinued operations Total current assets Non-current assets: Intangibles, net Property and equipment, net Right-of-use assets Restricted cash, non-current Other non-current assets Available for sale financial asset Assets of discontinued operations Total non-current assets Total assets LIABILITIES AND STOCKHOLDERSâ€™ EQUITY Current liabilities: Trade and other payables Due to related parties Deferred income from grants, current Contract liabilities Loss contingency liabilities Other current liabilities Operating lease liabilities Income tax payable Liabilities of discontinued operations Total current liabilities Non-current liabilities: Bonds and other long-term debt, net Warrant liability Long-term operating lease liabilities Defined benefit obligation Deferred income from grants, non-current Other long-term liabilities Liabilities of discontinued operations Total non-current liabilities Total liabilities Commitments and contingent liabilities Stockholdersâ€™ equity Common stock ($0.0001 par value per share; Shares authorized: 500,000,000 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023; Issued and outstanding: 2,636,508 and 2,580,159 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively) Preferred stock ($0.0001 par value per share; Shares authorized: 1,000,000 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023; nil 0 issued and outstanding at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023) Additional paid-in capital Accumulated other comprehensive loss Accumulated deficit Total stockholdersâ€™ equity / (deficit) Total liabilities and stockholdersâ€™ equity Common stock, par value (in dollars per share) Common stock, shares authorized (in shares) Common stock, shares issued (in shares) Common stock, shares outstanding (in shares) Preferred stock, par value (in dollars per share) Preferred stock, shares authorized (in shares) Preferred stock, shares issued (in shares) Preferred stock, shares outstanding (in shares) Income Statement [Abstract] Revenue, net Cost of revenues Gross profit / (loss) Income from grants Research and development expenses Administrative and selling expenses Sublease income Amortization of intangibles Credit loss â€“ customer contracts Impairment losses Operating loss Fair value change of warrant liability Finance income / (expenses), net Foreign exchange gains / (losses), net Loss contingency Net gains / (losses) on disposal/write-offs of property, plant and equipment and intangible assets Other income / (expenses), net Loss before income tax Income taxes Net loss from continuing operations Income (loss) from discontinued operations Net loss Net loss per share Basic loss per share from continuing operations Basic loss per share from discontinued operations Basic loss per share Basic weighted average number of shares Diluted loss per share from continuing operations Diluted loss per share from discontinued operations Diluted loss per share Diluted weighted average number of shares Net loss Other comprehensive loss, net of tax effect: Foreign currency translation adjustment Other comprehensive loss from continuing operations Other comprehensive loss from discontinued operations Total other comprehensive loss Beginning balance, value Beginning balance, shares Issuance of common stock (Unaudited) Issuance of common stock for cash, shares Stock issued under stock compensation plan (Unaudited) Stock issued under stock compensation plan, shares Stock based compensation expense (Unaudited) Reclassification of private warrants (Unaudited) Disposal of subsidiaries (Unaudited) Net loss (Unaudited) Other comprehensive loss (Unaudited) Ending balance, value Ending balance, shares Statement of Cash Flows [Abstract] Cash Flows from Operating Activities: Net loss Adjustments to reconcile net loss to net cash flows used in operating activities: Loss from discontinued operations Depreciation of property and equipment Amortization of intangible assets Impairment loss of tangible and intangible assets and goodwill Provision for litigation expenses Credit loss allowance Fair value gain of warrant liability Stock-based compensation expense Issuance of commitment shares Benefit for current and deferred income taxes Net losses on disposal/write-offs of property, plant and equipment and intangible assets Provision for inventories Net periodic cost of defined benefit obligation Changes in operating assets and liabilities: Decrease/(increase) in accounts receivable Decrease/(increase) in contract assets Decrease/(increase) in inventories Decrease in prepaid expenses and other current assets Decrease in other non-current assets (Decrease)/increase in trade payables (Decrease)/increase in due to related parties Decrease in deferred income from grants Increase in loss contingency liability (Decrease)/increase in contract liabilities (Decrease)/increase in other current liabilities Operating lease asset and liabilities Net Cash provided by / (used in) Operating Activities Cash Flows from Investing Activities: Proceeds from sale of property and equipment Purchases of property and equipment Advances for the acquisition of property and equipment Acquisition of subsidiaries Net Cash provided by / (used in) Investing Activities Cash Flows from Financing Activities: Proceeds of issuance of common stock and paid-in capital Net Cash provided by Financing Activities Net decrease in cash, cash equivalents, restricted cash and restricted cash equivalents from continuing operations Effect of exchange rate changes on cash, cash equivalent, restricted cash and restricted cash equivalents Net cash provided by / (used in) discontinued operations: Cash provided by / (used in) operating activities Cash provided by / (used in) investing activities Cash provided by / (used in) financing activities Net cash provided by / (used in) discontinued operations Net decrease in cash, cash equivalents, restricted cash and restricted cash equivalents Cash, cash equivalents, restricted cash and restricted cash equivalents at the beginning of the period Cash, cash equivalents, restricted cash and restricted cash equivalents at the end of the period Reconciliation to Condensed Consolidated Balance Sheets: Cash and cash equivalents Restricted cash, current Restricted cash, non-current Cash, cash equivalents, restricted cash and restricted cash equivalents Non-cash Financing Activities: Issuance of common stock and paid-in capital Pay vs Performance Disclosure [Table] Executive Category [Axis] Individual [Axis] Adjustment to Compensation [Axis] Measure [Axis] Pay vs Performance Disclosure, Table Company Selected Measure Name Named Executive Officers, Footnote Peer Group Issuers, Footnote Changed Peer Group, Footnote PEO Total Compensation Amount PEO Actually Paid Compensation Amount Adjustment To PEO Compensation, Footnote Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Compensation Actually Paid Amount Adjustment to Non-PEO NEO Compensation Footnote Equity Valuation Assumption Difference, Footnote Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Company Selected Measure Total Shareholder Return Vs Peer Group Compensation Actually Paid vs. Other Measure Tabular List, Table Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Net Income (Loss) Company Selected Measure Amount Other Performance Measure, Amount Adjustment to Compensation, Amount PEO Name Name Non-GAAP Measure Description Additional 402(v) Disclosure Pension Benefits Adjustments, Footnote Erroneously Awarded Compensation Recovery [Table] Restatement Determination Date [Axis] Restatement Determination Date Aggregate Erroneous Compensation Amount Erroneous Compensation Analysis Stock Price or TSR Estimation Method Outstanding Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Not Yet Determined Name Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery, Explanation of Impracticability Name Compensation Amount Restatement does not require Recovery Awards Close in Time to MNPI Disclosures [Table] Award Timing MNPI Disclosure Award Timing Method Award Timing Predetermined Award Timing MNPI Considered Award Timing, How MNPI Considered MNPI Disclosure Timed for Compensation Value Awards Close in Time to MNPI Disclosures, Table Name Underlying Securities Exercise Price Fair Value as of Grant Date Underlying Security Market Price Change Insider Trading Arrangements [Line Items] Material Terms of Trading Arrangement Name Title Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted Adoption Date Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated Termination Date Expiration Date Arrangement Duration Insider Trading Policies and Procedures [Line Items] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Not Adopted Organization, Consolidation and Presentation of Financial Statements [Abstract] Basis of presentation Accounting Policies [Abstract] Summary of Significant Accounting Policies Related Party Transactions [Abstract] Related party disclosures Receivables [Abstract] Accounts receivable, net Inventory Disclosure [Abstract] Inventories Prepaid Expenses And Other Current Assets Prepaid expenses and other current assets Goodwill and Intangible Assets Disclosure [Abstract] Intangible Assets Property, Plant and Equipment [Abstract] Property, plant and equipment, net Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Other non-current assets Payables and Accruals [Abstract] Trade and other payables Other Current Liabilities Other current liabilities Leases Leases Private Placement Warrants And Working Capital Warrants Private Placement Warrants and Working Capital Warrants Equity [Abstract] Stockholdersâ€™ Equity Revenue from Contract with Customer [Abstract] Revenue Collaborative Arrangements Income Tax Disclosure [Abstract] Income Taxes Segment Reporting [Abstract] Segment Reporting and Information about Geographical Areas Commitments and Contingencies Disclosure [Abstract] Commitments and contingencies Earnings Per Share [Abstract] Net loss per share Discontinued Operations and Disposal Groups [Abstract] Discontinued Operations Subsequent Events [Abstract] Subsequent Events Use of Estimates Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Credit Losses Inventories Fair Value Measurements Convertible Bond Loan Warrant Liability Schedule of subsidiaries in consolidation Schedule of restricted cash and cash equivalents Schedule of liabilities measured at fair value on recurring basis Schedule of change in fair value of warrant liability Schedule of related parties Schedule of accounts receivable Schedule of inventories Schedule of changes in provision for slow moving inventory Schedule of prepaid expenses Schedule of other current assets Schedule of intangible assets Schedule of future amortization expense Schedule of property, plant and equipment, net Schedule of other current liabilities Schedule of accrued expenses Schedule of maturities of operating lease liabilities Schedule of activities for unvested stock Schedule of restricted stock units granted Schedule of revenue Segment Reporting and Information about Geographical Areas Schedule of contractual obligations Schedule of computation of basic and diluted net loss per share Schedule of condensed consolidated balance sheet Schedule of operating results for the discontinued entities Consolidation, Less-than-Wholly-Owned Subsidiary, Parent Ownership Interest, Effect of Change [Table] Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Company Name Country of Incorporation Ownership Interest Statements of Operations date Restructuring Cost [Table] Restructuring Cost and Reserve [Line Items] Acquired percentage Net cash used in operating activities Negative net working capital Cash, cash equivalents, restricted cash and restricted cash equivalents Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Table] Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Assets Liabilities Estimated fair value at beginning balance Estimated fair value of available for sale financial asset acquired Foreign exchange fluctuations Change in estimated fair value Estimated fair value at ending balance Estimated fair value at beginning balance Change in estimated fair value Reclassification of private placement warrants Estimated fair value at ending balance Schedule of Long-Term Debt Instruments [Table] Debt Instrument [Line Items] Restricted cash and cash equivalents Credit Losses Debt carrying amount Debt offered amount Annual interest rate Overdue interest rate Interest income Warrants issued (in shares) Exercise price (in dollars per share) Non-interest bearing loan Related Party Transaction [Table] Related Party Transaction [Line Items] Due to related parties Interest rate Accounts receivable from third party customers Less: Allowance for credit losses Accounts receivable, net Raw materials and supplies Work-in-process Finished goods Total Provision for inventory Total Balance at beginning of year Additions Foreign exchange fluctuations Balance at end of year Prepaid insurance expenses Prepaid research expenses Other prepaid expenses Total VAT receivable Withholding tax Grant receivable Purchases under receipt Guarantees Other receivables Accrued sublease income Accrued interest income Total Intangible Asset, Finite-Lived [Table] Finite-Lived Intangible Assets [Line Items] Gross Carrying Amount Accumulated Amortization Cumulative Impairment on intangible assets Net Carrying Amount Gross Carrying Amount Accumulated Amortization Cumulative Impairment Net Carrying Amount Indefinite-lived intangible assets Total indefinite-lived intangible assets, Cumulative Impairment Change in Accounting Estimate [Table] Change in Accounting Estimate [Line Items] 2024 2025 2026 2027 2028 Thereafter Total Impairment Effects on Earnings Per Share [Table] Impairment Effects on Earnings Per Share [Line Items] Amortization of intangible assets Property, Plant and Equipment [Table] Property, Plant and Equipment [Line Items] Property, plant and equipment, gross Less: accumulated depreciation Less: cumulative impairment Total Addition to property and equipment Proceeds from sale of property and equipment Loss on disposition of assets Letter of credit Leasehold improvements Furniture forfeited Plant and machinery description Depreciation expense Other Assets, Noncurrent Increase in trade and other payables Accrued expenses Other short-term payables Taxes and duties payable Provision for unused vacation Social security funds Overtime provision Total Accrued expenses for legal and consulting fees Accrued payroll fees Other accrued expenses Total 2024 2025 2026 2027 2028 Thereafter Total undiscounted lease payments Less: imputed interest Total discounted lease payments Less: current portion Long-term lease liabilities Area of leased space Annual rent Lease contract term Security deposit Rent income Term of option to extend lease Long-Term Line of Credit Rental expense Short-term leases Class of Warrant or Right [Table] Class of Warrant or Right [Line Items] Warrants issued Warrants outstanding Number of shares called by each warrant Exercise price Period to exercise warrants after business combination Warrants expiration period Period not to transfer, assign or sell warrants Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Number of options unvested at beginning Weighted average grant date fair value unvested at beginning Number of options vested Weighted average grant date fair value, vested Number of options forfeited Weighted average grant date fair value, forfeited Number of options unvested at end Weighted average grant date fair value unvested at end Number of shares unvested at beginning Weighted average grant date fair value unvested at beginning Number of shares vested Weighted average grant date fair value vested Number of shares forfeited Weighted average grant date fair value forfeited Number of shares unvested at end Weighted average grant date fair value unvested at end Shares authorized Common stock, shares designated Common stock, par value Preferred stock, shares authorized Common stock, shares issued Proceeds from sale of common stock Common stock, shares outstanding Reverse stock split Warrants outstanding (in shares) Exercise price of warrant (in dollars per share) Increase in shares outstanding (in shares) Proceeds from exercise of warrants Warrant holders exercised options to purchase additional shares (in shares) Warrant redemption price (in dollars per share) Notice period to redeem warrants Share price (in dollars per share) Maximum number of shares of stock Compensation cost Unrecognized compensation cost Disaggregation of Revenue [Table] Disaggregation of Revenue [Line Items] Revenue from contracts with customers Contract assets Contract liabilities Revenue recognized from contract liabilites Collaborative Arrangement and Arrangement Other than Collaborative [Table] Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Estimated total contribution of project Contribution in cash Contribution in-kind, personnel salaries Research and development expenses Income tax benefit Schedule of Revenues from External Customers and Long-Lived Assets [Table] Revenues from External Customers and Long-Lived Assets [Line Items] Net sales Business segment Contractual Obligation Quantity Pieces Year One Contractual Obligation, Quantity, Year One Contractual Obligation, to be Paid, Year One Contractual Obligation, Quantity, Year Two Contractual Obligation, Quantity, Year Two Contractual Obligation, to be Paid, Year Two Contractual Obligation Quantity Pieces Contractual Obligation, Quantity Contractual Obligation Accrued interest expense Accrued loss liability Issued letters of guarantee Contractual obligation, minimum quantity Contractual obligation, minimum quantity, pieces Numerator: Net loss from continuing operations Net loss from discontinued operations Denominator: Net loss per share: Assets Inventories, net Prepaid expenses and other current assets Property, plant and equipment, net Total Assets Liabilities Trade payables Lease liabilities â€“ long-term Total Liabilities Gross profit / (loss) Credit loss â€“ customer contracts Operating loss Net assets / (liabilities) â€“ Advent Technologies A/S and Advent Green Energy Philippines, Inc. Payable to Advent Technologies A/S Loss before income tax Stockholders' equity Note description Name of entity owned or controlled by another entity. Entity owned or controlled by another entity. Information of place of incorporation of the entity. Ownership interest in subsidiary. Direct owner refers to individuals and entities who directly own shares or are partners in any legal entity. Indirect Ownership means an interest in an entity that has direct or indirect ownership interest in the Applicant. The amount of indirect ownership in the Applicant that is held by any other entity is determined by multiplying the percentage of ownership interest at each level. Entity owned or controlled by another entity. Entity owned or controlled by another entity. Entity owned or controlled by another entity. Name of security holders of former entity. Number of warrants or rights issued during the period. Working capital loans to finance transaction costs in connection with a Business Combination that may be convertible into warrants of the post Business Combination entity. The amount of obligations incurred and payable to vendors that bear interest at either a stated or an imputed rate. Security that gives the holder the right to purchase one share of common stock at a specific exercise price. Amount of changes in the provision for slow moving inventory. Amount of asset related to consideration paid in advance for research that provides economic benefits within a future period of one year or the normal operating cycle, if longer. Carrying amount as of the balance sheet date of withholding tax due either from customers arising from sales on credit terms, or as previously overpaid to tax authorities. Carrying amount as of balance sheet date of guarantees paid to vendors. Carrying amount as of the balance sheet date of guarantees due either from customers arising from sales on credit terms, or as previously overpaid to tax authorities. Amount of

amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). The tangible personal property, nonconsumable in nature, with finite lives used to produce goods and services. Carrying value as of the balance sheet date of obligations incurred and payable, pertaining to short term payables. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). Amount of social security funds Amount of overtime provision. Period after the completion of a business combination when warrants will become exercisable, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Period, that management agreed not to transfer, assign or sell any of warrants subject to limited exceptions in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. The maximum number of common shares and preferred shares permitted to be issued by an entity's charter and bylaws. Redemption price per share or per unit of warrants or rights outstanding. Number of share shares issued for warrants exercise. Period to provide written notice to redeem warrants, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Primary financial statement caption encompassing revenue from sale of goods and services rendered in the normal course of business. Estimated total contribution of the project, subject to available funding. Collaborative arrangement transaction between parties to cooperative research and development agreement. Represents the cash outflow for payments made under cooperative research and development agreement. Quantity of contractual obligation quantity in next fiscal year following current fiscal year. Quantity of contractual obligation quantity in second fiscal year following current fiscal year. Quantity of contractual obligation. Assets, Current Disposal Group, Including Discontinued Operation, Assets, Noncurrent Assets, Noncurrent Liabilities, Current Disposal Group, Including Discontinued Operation, Liabilities, Current Liabilities, Noncurrent Liabilities and Equity Cost of Goods and Services Sold Selling, General and Administrative Expense Amortization of Intangible Assets CreditLossCustomerContracts LossContingency NetGainsLossesOnDisposalwriteoffsOfPropertyPlantAndEquipmentAndIntangibleAssets Other Comprehensive Income (Loss), before Tax, Portion Attributable to Parent OtherComprehensiveLossFromDiscontinuedOperations Other Comprehensive Income (Loss), Net of Tax Shares, Outstanding LossFromDiscontinuedOperations Gain (Loss) on Disposition of Assets Increase (Decrease) in Accounts Receivable Increase (Decrease) in Contract with Customer, Asset Increase (Decrease) in Inventories Increase (Decrease) in Prepaid Expense and Other Assets Increase (Decrease) in Other Noncurrent Assets DecreaseincreaseInDueToRelatedParties Net Cash Provided by (Used in) Operating Activities Payments to Acquire Machinery and Equipment PaymentsToAcquireFixedAssets Payments to Acquire Businesses, Net of Cash Acquired Net Cash Provided by (Used in) Investing Activities Net Cash Provided by (Used in) Financing Activities NetDecreaseInCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsFromContinuingOperations Net Cash Provided by (Used in) Discontinued Operations Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Restricted Cash Equivalents, Noncurrent Restricted Cash and Cash Equivalents Forgone Recovery, Individual Name Outstanding Recovery, Individual Name Awards Close in Time to MNPI Disclosures, Individual Name Trading Arrangement, Individual Name Loans, Notes, Trade and Other Receivables Disclosure [Text Block] Inventory Disclosure [Text Block] Other Assets Disclosure [Text Block] Accounts Payable and Accrued Liabilities Disclosure [Text Block] OtherCurrentLiabilitiesTextBlock Lessee, Operating Leases [Text Block] Earnings Per Share [Text Block] Inventory, Policy [Policy Text Block] Revenue from External Customers by Geographic Areas [Table Text Block] Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset Value Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Liability Value Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Liability, Gain (Loss) Included in Earnings Accounts Receivable, Allowance for Credit Loss DueToRelatedParties Accounts Receivable, Allowance for Credit Loss, Current Inventory, Gross ProvisionForInventory Change in Provision for Slow Moving Inventory, Balance at Beginning ProvisionForSlowMovingInventoryForeignExchangeFluctuations Prepaid Expense, Current Other Assets, Current Intangible Assets, Gross (Excluding Goodwill) Period of Warranty Reserve Expected to be Incurred Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Proceeds from Sale of Other Property, Plant, and Equipment Accrued Liabilities, Current Lessee, Operating Lease, Liability, to be Paid, Year One Lessee, Operating Lease, Liability, to be Paid, Year Two Lessee, Operating Lease, Liability, to be Paid, Year Three Lessee, Operating Lease, Liability, to be Paid, Year Four Lessee, Operating Lease, Liability, to be Paid, Year Five Lessee, Operating Lease, Liability, to be Paid, after Year Five Lessee, Operating Lease, Liability, to be Paid Lessee, Operating Lease, Liability, Undiscounted Excess Amount Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested, Number of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Option, Nonvested, Weighted Average Exercise Price Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested, Number of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Nonvested Options Forfeited, Number of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Contract with Customer, Asset, before Allowance for Credit Loss, Current Contract with Customer, Liability Contractual Obligation, Quantity, Year Two [Default Label] NetAssetsLiabilitiesAdventTechnologiesAsAndAdventGreenEnergyPhilippinesInc. EX-101.PRE 10 adn-20240930_pre.xml XBRL PRESENTATION FILE XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.4 Cover - shares 9 Months Ended Sep. 30, 2024 Dec. 24, 2024 Document Type 10-Q Â Amendment Flag false Â Document Quarterly Report true Â Document Transition Report false Â Document Period End Date Sep. 30, 2024 Â Document Fiscal Period Focus Q3 Â Document Fiscal Year Focus 2024 Â Current Fiscal Year End Date --12-31 Â Entity File Number 001-38742 Â Entity Registrant Name Advent Technologies Holdings, Inc. Â Entity Central Index Key 0001744494 Â Entity Tax Identification Number 83-0982969 Â Entity Incorporation, State or Country Code DE Â Entity Address, Address Line One 5637 La Ribera St. Â Entity Address, Address Line Two Suite A Â Entity Address, City or Town Livermore Â Entity Address, State or Province CA Â Entity Address, Postal Zip Code 94550 Â City Area Code 925 Â Local Phone Number 455-9400 Â Entity Current Reporting Status No Â Entity Interactive Data Current No Â Entity Filer Category Non-accelerated Filer Â Entity Small Business true Â Entity Emerging Growth Company false Â Entity Shell Company false Â Entity Common Stock, Shares Outstanding Â 2,636,508 Common Stock, par value $0.0001 per share Â Â Title of 12(b) Security Common Stock, par value $0.0001 per share Â Trading Symbol ADN Â Security Exchange Name NASDAQ Â Warrants Â Â Title of 12(b) Security Warrants Â Trading Symbol ADNWW Â Security Exchange Name NASDAQ Â X - DefinitionBoolean flag that is true when the XBRL content amends previously-filed or accepted submission. + ReferencesNo definition available. + Details Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionArea code of city + ReferencesNo definition available. + Details Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionEnd date of current fiscal year in the format --MM-DD. + ReferencesNo definition available. + Details Name: dei_CurrentFiscalYearEndDate Namespace Prefix: dei_ Data Type: xbrli:gMonthDayItemType Balance Type: na Period Type: duration X - DefinitionFiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalPeriodFocus Namespace Prefix: dei_ Data Type: dei:fiscalPeriodItemType Balance Type: na Period Type: duration X - DefinitionThis is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006. + ReferencesNo definition available. + Details Name: dei_DocumentFiscalYearFocus Namespace Prefix: dei_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionFor the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD. + ReferencesNo definition available. + Details Name: dei_DocumentPeriodEndDate Namespace Prefix: dei_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as an quarterly report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Form 10-Q -Number 240 -Section 308 -Subsection a + Details Name: dei_DocumentQuarterlyReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true only for a form used as a transition report. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Forms 10-K, 10-Q, 20-F -Number 240 -Section 13 -Subsection a-1 + Details Name: dei_DocumentTransitionReport Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'. + ReferencesNo definition available. + Details Name: dei_DocumentType Namespace Prefix: dei_ Data Type: dei:submissionTypeItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 1 such as Attn, Building Name, Street Name + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine1 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementClassOfStockAxis=adn_CommonStockParValue0.0001PerShareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementClassOfStockAxis=adn_WarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Current assets: Â Â Cash and cash equivalents $ 192 $ 3,200 Restricted cash, current 100 Accounts receivable, net 274 63 Contract assets 9 Inventories 97 195 Prepaid expenses and Other current assets 861 838 Assets of discontinued operations 4,430 Total current assets 1,424 8,835 Non-current assets: Â Â Intangibles, net 77 79 Property and equipment, net 5,310 20,086 Right-of-use assets 279 3,157 Restricted cash, non-current 750 Other non-current assets 239 242 Available for sale financial asset Assets of discontinued operations 1,588 Total non-current assets 5,905 25,902 Total assets 7,329 34,737 Current liabilities: Â Â Trade and other payables 16,420 3,996 Due to related parties 253 Deferred income from grants, current 523 Contract liabilities 1,230 414 Loss contingency liabilities 5,162 Other current liabilities 1,785 1,035 Operating lease liabilities 111 2,138 Income tax payable 183 179 Liabilities of discontinued operations 3,628 Total current liabilities 25,144 11,913 Non-current liabilities: Â Â Bonds and other long-term debt, net Warrant liability 59 Long-term operating lease liabilities 159 8,218 Defined benefit obligation 99 83 Deferred income from grants, non-current 320 Other long-term liabilities 1 1 Liabilities of discontinued operations 695 Total non-current liabilities 259 9,376 Total liabilities 25,403 21,289 Stockholdersâ€™ equity Â Â Common stock ($0.0001 par value per share; Shares authorized: 500,000,000 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023; Issued and outstanding: 2,636,508 and 2,580,159 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, respectively) Preferred stock ($0.0001 par value per share; Shares authorized: 1,000,000 at SeptemberÂ 30, 2024 and DecemberÂ 31, 2023; nil 0 issued and outstanding at SeptemberÂ 30, 2024 and

DecemberÂ 31, 2023) Additional paid-in capital 201,211 194,941 Accumulated other comprehensive loss (975) (2,334) Accumulated deficit (218,310) (179,159) Total stockholdersâ€™ equity / (deficit) (18,074) 13,448 Total liabilities and stockholdersâ€™ equity $ 7,329 $ 34,737 X - ReferencesNo definition available. + Details Name: adn_BondsAndOtherLongtermDebtNet Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_DueToRelatedPartie Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_LongtermOperatingLeaseLiabilities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_LossContingencyLiabilities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of the unpaid sum of the known and estimated amounts payable to satisfy all currently due domestic and foreign income tax obligations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(15)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_AccruedIncomeTaxesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14AReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 220 -SubTopic 10 -Section 45 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-14 + Details Name: us-gaap_AccumulatedOtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionSum of the carrying amounts as of the balance sheet date of all assets that are expected to be realized in cash, sold or consumed after one year or beyond the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99

-Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_AssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsNoncurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_AssetsOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 320 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481830/320-10-45-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479130/326-30-45-1 + Details Name: us-gaap_AvailableForSaleSecuritiesDebtSecuritiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CommonStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 25 -Paragraph 2 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481174/470-10-25-2 + Details Name: us-gaap_DeferredIncomeCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 25 -Paragraph 2 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481174/470-10-25-2 + Details Name: us-gaap_DeferredIncomeNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFair value, after the effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset, expected to be settled after one year or the normal operating cycle, if longer. Includes assets not subject to a master netting arrangement and not elected to be offset. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483466/210-20-50-3 + Details Name: us-gaap_DerivativeLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_DisposalGroupIncludingDiscontinuedOperationAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1 + Details Name: us-gaap_IntangibleAssetsNetExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting 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Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(32)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LiabilitiesAndStockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTotal obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI 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X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of obligation due after one year or beyond the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB 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-Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 22: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7 + Details Name: us-gaap_LiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesNoncurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-9Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount classified as liabilities attributable to disposal group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10 -SubTopic 20 -Topic 205 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-10Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 11 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-11Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5BReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-3Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-11 + Details Name: us-gaap_LiabilitiesOfDisposalGroupIncludingDiscontinuedOperationNoncurrent

Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liability, recognized in statement of financial position, for defined benefit pension and other postretirement plans, classified as noncurrent. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480535/715-20-45-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1 + Details Name: us-gaap_PensionAndOtherPostretirementDefinedBenefitPlansLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of accumulated undistributed earnings (deficit). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (h)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480016/944-40-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(23)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_RetainedEarningsAccumulatedDeficit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StockholdersEquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 14 R3.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical) - $ / shares Sep. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] Â Â Common stock, par value (in dollars per share) $ 0.0001 $ 0.0001 Common stock, shares authorized (in shares) 500,000,000 500,000,000 Common stock, shares issued (in shares) 2,636,508 2,580,159 Common stock, shares outstanding (in shares) 2,636,508 2,580,159 Preferred stock, par value (in dollars per share) $ 0.0001 $ 0.0001 Preferred stock, shares authorized (in shares) 1,000,000 1,000,000 Preferred stock, shares issued (in shares) 0 0 Preferred stock, shares outstanding (in shares) 0 0 X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 15 R4.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Statement [Abstract] Â Â Â Â Revenue, net $ 128 $ 112 $ 3,520 $ 222 Cost of revenues (336) (807) (896) (1,336) Gross profit / (loss) (208) (695) 2,624 (1,114) Income from grants 137 242 1,399 788 Research and development expenses (411) (1,197) (2,521) (4,745) Administrative and selling expenses (3,135) (8,000) (6,954) (10,786) Sublease income 139 145 404 Amortization of intangibles (1) (117) (3) (526) Credit loss â€“ customer contracts (4,309) (3) (4,309) (63) Impairment losses (9,763) Operating loss (7,927) (9,631) (9,619) (25,805) Fair value change of warrant liability (134) 59 355 Finance income / (expenses), net (14) (72) (300) (522) Foreign exchange gains / (losses), net (1,672) (22) (1,837) 107 Loss contingency (4,871) Net gains / (losses) on disposal/write-offs of property, plant and equipment and intangible assets (12,735) Other income / (expenses), net (2) (113) 4 (869) Loss before income tax (9,615) (9,972) (29,299) (26,734) Income taxes 0 81 55 204 Net loss from continuing operations (9,615) (9,891) (29,244) (26,530) Income (loss) from discontinued operations (8,907) (1,955) (9,907) (19,135) Net loss $ (18,522) $ (11,846) $ (39,151) $ (45,665) Net loss per share Â Â Â Â Basic loss per share from continuing operations $ (3.65) $ (4.92) $ (11.17) $ (14.39) Basic loss per share from discontinued operations (3.38) (0.97) (3.78) (10.38) Basic loss per share $ (7.03) $ (5.89) $ (14.95) $ (24.78) Basic weighted average number of shares 2,636,508 2,012,382 2,618,601 1,843,154 Diluted loss per share from continuing operations $ (3.65) $ (4.92) $ (11.17) $ (14.39) Diluted loss per share from discontinued operations (3.38) (0.97) (3.78) (10.38) Diluted loss per share $ (7.03) $ (5.89) $ (14.95) $ (24.78) Diluted weighted average number of shares 2,636,508 2,012,382 2,618,601 1,843,154 X - ReferencesNo definition available. + Details Name: adn_CreditLossCustomerContracts Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IncomeFromGrant Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_LossContingency Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_NetGainsLossesOnDisposalwriteoffsOfPropertyPlantAndEquipmentAndIntangibleAssets Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2 + Details Name: us-gaap_AmortizationOfIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1 + Details Name: us-gaap_CostOfGoodsAndServicesSold Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount of expense (income) related to adjustment to fair value of warrant liability. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 25 -Paragraph 13 -SubTopic 10 -Topic 480 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481766/480-10-25-13 + Details Name: us-gaap_FairValueAdjustmentOfWarrants Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, before tax, of realized and unrealized gain (loss) from foreign currency transaction. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482014/830-20-35-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481956/830-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481926/830-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -

Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481839/830-10-45-17 + Details Name: us-gaap_ForeignCurrencyTransactionGainLossBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_GrossProfit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of impairment loss resulting from write-down of assets, excluding financial assets and goodwill, lacking physical substance and having a projected indefinite period of benefit to fair value. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ImpairmentOfIntangibleAssetsIndefinitelivedExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount after tax of income (loss) from continuing operations attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 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280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards 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-Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of net income (loss) from continuing operations per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 5: 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-Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 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210.9-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsPerBasicShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) derived from continuing operations during the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards 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Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 4: 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Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPer basic share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation and gain (loss) from the disposal of the discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI 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dtr-types:perShareItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification 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https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_InterestIncomeExpenseNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI 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-Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI

https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe total amount of sublease rental income recognized during the period that reduces the entity's rent expense incurred under operating leases. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Subparagraph (Note 3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481418/840-10-55-40 + Details Name: us-gaap_OperatingLeasesRentExpenseSubleaseRentals1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 16 R5.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Statement [Abstract] Â Â Â Â Net loss $ (18,522) $ (11,846) $ (39,151) $ (45,665) Other comprehensive loss, net of tax effect: Â Â Â Â Foreign currency translation adjustment (116) (353) (217) (265) Other comprehensive loss from continuing operations (18,638) (12,199) (39,368) (45,930) Other comprehensive loss from discontinued operations (220) (220) (141) 22 Total other comprehensive loss $ (18,858) $ (12,419) $ (39,509) $ (45,908) X - ReferencesNo definition available. + Details Name: adn_OtherComprehensiveLossFromDiscontinuedOperations Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncomeStatementAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossBeforeTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 10A -Subparagraph (a) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-10AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1 + Details Name: us-gaap_OtherComprehensiveIncomeLossForeignCurrencyTransactionAndTranslationAdjustmentNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax and reclassification adjustments of other comprehensive income (loss). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-17Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-4Reference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481694/830-30-45-20Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 55 -Paragraph 15 -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482739/220-10-55-15Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI

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http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 17: 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https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ProfitLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration XML 17 R6.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited) - USD ($) $ in Thousands Preferred Stock Series A [Member] Preferred Stock Series Seed [Member] Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] AOCI Attributable to Parent [Member] Total Beginning balance, value at Dec. 31, 2022 $ 174,514 $ (107,762) $ (2,604) $ 64,148 Beginning balance, shares at Dec. 31, 2022 1,723,924 Â Â Â Â Â Issuance of common stock (Unaudited) 6,429 Â Â 6,429 Issuance of common stock for cash, shares Â Â 314,695 Â Â Â Â Â Stock issued under stock compensation plan (Unaudited) Â Â Â Â Â Stock issued under stock compensation plan, shares Â Â 31,658 Â Â Â Â Â Stock based compensation expense (Unaudited) 7,368 7,368 Reclassification of private warrants (Unaudited) 545 545 Net loss (Unaudited) (45,665) (45,665) Other comprehensive loss (Unaudited) (243) (243) Ending balance, value at Sep. 30, 2023 188,856 (153,427) (2,847) 32,582 Ending balance, shares at Sep. 30, 2023 2,070,277 Â Â Â Â Â Beginning balance, value at Jun. 30, 2023 183,914 (141,581) (2,274) 40,059 Beginning balance, shares at Jun. 30, 2023 1,947,340 Â Â Â Â Â Issuance of common stock (Unaudited) Â Â 2,250 Â Â 2,250 Issuance of common stock for cash, shares Â Â 113,711 Â Â Â Â Â Stock issued under stock compensation plan (Unaudited) Stock issued under stock compensation plan, shares Â Â 9,226 Â Â Â Â Â Stock based compensation expense (Unaudited) 2,479 2,479 Reclassification of private warrants (Unaudited) 213 213 Net loss (Unaudited) (11,846) (11,846) Other comprehensive loss (Unaudited) (573) (573) Ending balance, value at Sep. 30, 2023 188,856 (153,427) (2,847) 32,582 Ending balance, shares at Sep. 30, 2023 2,070,277 Â Â Â Â Â Beginning balance, value at Dec. 31, 2023 194,941 (179,159) (2,334) 13,448 Beginning balance, shares at Dec. 31, 2023 2,580,159 Â Â Â Â Â Issuance of common stock (Unaudited) 282 282 Issuance of common stock for cash, shares Â Â 56,349 Â Â Â Â Â Stock issued under stock compensation plan (Unaudited) Stock based compensation expense (Unaudited) 5,988 5,988 Disposal of subsidiaries (Unaudited) 1,717 1,717 Net loss (Unaudited) (39,151) (39,151) Other comprehensive loss (Unaudited) (358) (358) Ending balance, value at Sep. 30, 2024 201,211 (218,310) (975) (18,074) Ending balance, shares at Sep. 30, 2024 2,636,508 Â Â Â Â Â Beginning balance, value at Jun. 30, 2024 199,265 (199,788) (2,356) (2,879) Beginning balance, shares at Jun. 30, 2024 2,636,508 Â Â Â Â Â Issuance of common stock (Unaudited) Issuance of common stock for cash, shares Â Â Â Â Â Â Stock issued under stock compensation plan (Unaudited) Stock based compensation expense (Unaudited) 1,946 1,946 Disposal of subsidiaries (Unaudited) 1,717 1,717 Net loss (Unaudited) (18,522) (18,522) Other comprehensive loss (Unaudited) (336) (336) Ending balance, value at Sep. 30, 2024 $ 201,211 $ (218,310) $ (975) $ (18,074) Ending balance, shares at Sep. 30, 2024 2,636,508 Â Â Â Â Â X - ReferencesNo definition available. + Details Name: adn_DisposalOfSubsidiaries Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IssuanceOfCommonStockForCashShares Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ReclassificationOfPrivateWarrants Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_StockIssuedUnderStockCompensationPlanShares Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-13Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-12 + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 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12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic

205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount after tax of other comprehensive income (loss) attributable to parent entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-19Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-20Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(3) -SubTopic 10 -Topic 810 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1A + Details Name: us-gaap_OtherComprehensiveIncomeLossNetOfTaxPortionAttributableToParent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionNumber of shares issued which are neither cancelled nor held in the treasury. + ReferencesNo definition available. + Details Name: us-gaap_SharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionEquity impact of the value of new stock issued during the period. Includes shares issued in an initial public offering or a secondary public offering. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1 + Details Name: us-gaap_StockIssuedDuringPeriodValueNewIssues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionValue, after forfeiture, of shares issued under share-based payment arrangement. Excludes employee stock ownership plan (ESOP). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.4 CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited) - USD ($) $ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Cash Flows from Operating Activities: Â Â Net loss $ (39,151) $ (45,665) Adjustments to reconcile net loss to net cash flows used in operating activities: Â Â Loss from discontinued operations 6,062 Depreciation of property and equipment 1,157 1,596 Amortization of intangible assets 3 526 Impairment loss of tangible and intangible assets and goodwill 9,763 Provision for litigation expenses 4,871 Credit loss allowance 4,309 (12,271) Fair value gain of warrant liability (59) (355) Stock-based compensation expense 5,988 7,368 Issuance of commitment shares 1,186 Benefit for current and deferred income taxes (55) (204) Net losses on disposal/write-offs of property, plant and equipment and intangible assets 12,735 182 Provision for inventories 250 Net periodic cost of defined benefit obligation 14 18 Changes in operating assets and liabilities: Â Â Decrease/(increase) in accounts receivable 3,054 520 Decrease/(increase) in contract assets 9 10 Decrease/(increase) in inventories (149) 278 Decrease in prepaid expenses and other current assets 637 (174) Decrease in other non-current assets (2,751) 7,106 (Decrease)/increase in trade payables 12,117 (5,244) (Decrease)/increase in due to related parties 253 Decrease in deferred income from grants (837) 203 Increase in loss contingency liability 292 (Decrease)/increase in contract liabilities 812 (85) (Decrease)/increase in other current liabilities 735 (343) Operating lease asset and liabilities (7,208) (655) Net Cash provided by / (used in) Operating Activities 3,088 (36,240) Cash Flows from Investing Activities: Â Â Proceeds from sale of property and equipment 300 Purchases of property and equipment (28) (2,952) Advances for the acquisition of property and equipment (1,255) Acquisition of subsidiaries (1,864) Net Cash provided by / (used in) Investing Activities 272 (6,071) Cash Flows from Financing Activities: Â Â Proceeds of issuance of common stock and paid-in capital 282 5,488 Net Cash provided by Financing Activities 282 5,488 Net decrease in cash, cash equivalents, restricted cash and restricted cash equivalents from continuing operations 3,642 (36,823) Effect of exchange rate changes on cash, cash equivalent, restricted cash and restricted cash equivalents 274 5 Net cash provided by / (used in) discontinued operations: Â Â Cash provided by / (used in) operating activities (8,317) 9,903 Cash provided by / (used in) investing activities (275) Cash provided by / (used in) financing activities 543 Net cash provided by / (used in) discontinued operations (7,774) 9,628 Net decrease in cash, cash equivalents, restricted cash and restricted cash equivalents (3,858) (27,190) Cash, cash equivalents, restricted cash and restricted cash equivalents at the beginning of the period 4,050 33,619 Cash, cash equivalents, restricted cash and restricted cash equivalents at the end of the period 192 6,429 Reconciliation to Condensed Consolidated Balance Sheets: Â Â Cash and cash equivalents 192 3,661 Restricted cash, current 2,018 Restricted cash, non-current 750 Cash, cash equivalents, restricted cash and restricted cash equivalents 192 6,429 Non-cash Financing Activities: Â Â Issuance of common stock and paid-in capital $ 769 X - ReferencesNo definition available. + Details Name: adn_CashProvidedByUsedInFinancingActivities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_CashProvidedByUsedInInvestingActivities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_CashProvidedByUsedInOperatingActivities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_CreditLossAllowance Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_DecreaseincreaseInDueToRelatedParties Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IncreaseDecreaseInOperatingLeaseAssetAndLiabilities Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IncreaseInLossContingencyLiability Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_LossFromDiscontinuedOperations Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_NetDecreaseInCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsFromContinuingOperations Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_NoncashFinancingActivitiesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_PaymentsToAcquireFixedAssets Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ProvisionForInventories Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ReconciliationToCondensedConsolidatedBalanceSheetsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe aggregate amount of recurring noncash expense charged against earnings in the period to allocate the cost of assets over their estimated remaining economic lives. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_AdjustmentForAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 1 -SubTopic 230 -Topic 830 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType

Balance Type: debit Period Type: duration X - DefinitionAmount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(1)(Note 1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Subparagraph (b) -SubTopic 10 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9 + Details Name: us-gaap_DeferredIncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of net periodic benefit cost (credit) for defined benefit plan. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-17Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480482/715-20-55-18Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 715 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480506/715-20-50-6 + Details Name: us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies. Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 230 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477401/830-230-45-1 + Details Name: us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of expense (income) related to adjustment to fair value of warrant liability. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 25 -Paragraph 13 -SubTopic 10 -Topic 480 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481766/480-10-25-13 + Details Name: us-gaap_FairValueAdjustmentOfWarrants Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of assets, including but not limited to property plant and equipment, intangible assets and equity in securities of subsidiaries or equity method investee. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnDispositionOfAssets1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of impairment loss resulting from write-down of assets, excluding financial assets and goodwill, lacking physical substance and having a projected indefinite period of benefit to fair value. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ImpairmentOfIntangibleAssetsIndefinitelivedExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionChange in recurring obligations of a business that arise from the acquisition of merchandise, materials, supplies and services used in the production and sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableTrade Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInContractWithCustomerAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 912 -SubTopic 310 -Name Accounting Standards Codification -Section 45 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478345/912-310-45-11Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in deferred income and obligation to transfer product and service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInDeferredRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInInventories Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in current liabilities classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherCurrentLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase (decrease) in noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInOtherNoncurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of litigation expense, including but not limited to legal, forensic, accounting, and investigative fees. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(6)) -SubTopic 10 -Topic 220 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_LitigationSettlementExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (decrease) in cash associated with the entity's discontinued operations. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInDiscontinuedOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInDiscontinuedOperationsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24 + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -

Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) 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S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of assets, classified as other, acquired in a noncash or part noncash acquisition. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-3Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-5 + Details Name: us-gaap_NoncashOrPartNoncashAcquisitionOtherAssetsAcquired1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow associated with the acquisition of a business, net of the cash acquired from the purchase. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireBusinessesNetOfCashAcquired Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash outflow for acquisition of machinery and equipment. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireMachineryAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow from the sale of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleOfPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from holders exercising their stock warrants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromWarrantExercises Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(1)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_RestrictedCashAndCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash equivalents restricted as to withdrawal or usage, classified as noncurrent. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 210 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 210 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478600/954-210-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashEquivalentsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncash expense for share-based payment arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_ShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.4 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Pay vs Performance Disclosure [Table] Â Â Â Â Net Income (Loss) $ (18,522) $ (11,846) $ (39,151) $ (45,665) X - ReferenceReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection v -Paragraph 1 + Details Name: ecd_PvpTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher

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Basis of presentation Â Overview Â Advent Technologies Holdings, Inc. and its subsidiaries (collectively referred to as â€œAdventâ€ and the â€œCompanyâ€) is an advanced materials and technology development company operating in the fuel cell, methanol, and hydrogen technology space. Advent is a world-leading company in the development of the HT-PEM technology (with more than 150 patents issued, pending, or licensed worldwide). The HT-PEM fuel cell technology developed by Advent enables off-grid power systems to produce clean power from various green fuels (hydrogen, methanol, bio and eMethanol, and renewable natural gas) and to function with higher efficiency at extreme ambient temperatures and in general extreme environmental conditions (humidity, air pollution). Adventâ€™s main operations focus on developing and manufacturing the Membrane Electrode Assembly (MEA), which is the core electrochemical element and the most critical component of the fuel cell. The MEA largely determines lifetime, power density, efficiency, and overall cost of installation and operation for all applications. Advent is working with world-leading market-leading OEMs with the goal of bringing to the market complete fuel cell systems for a range of applications in the stationary power markets (backup, off-grid, and portable power) and the heavy-duty mobility markets (automotive, aviation, marine). Â Advent has its headquarters in Livermore, California, and the Company has MEA and fuel cell product development facilities in Livermore, California and Patras, Greece. Previously, the Companyâ€™s headquarters were located in Boston, Massachusetts. During 2023, the Company decided to consolidate certain of its German operations with its operations in Greece. During JuneÂ 2024, the Company closed its facilities in Boston, MA, and no longer maintains its facilities in Denmark and the Philippines due to the bankruptcy of Advent Technologies A/S in JulyÂ 2024. Â On FebruaryÂ 4, 2021 (â€œClosing Dateâ€), AMCI Acquisition Corp. (â€œAMCIâ€), consummated the business combination (the â€œBusiness Combinationâ€) pursuant to that certain merger agreement (the â€œAgreement and Plan of Mergerâ€), dated OctoberÂ 12, 2020, by and among AMCI, AMCI Merger Sub Corp., a Delaware corporation and newly formed wholly-owned subsidiary of AMCI (â€œMerger Subâ€), AMCI Sponsor LLC (the â€œSponsorâ€), solely in the capacity as the representative from and after the effective time of the Business Combination for the stockholders of AMCI, Advent Technologies, Inc., a Delaware corporation (â€œLegacy Adventâ€), and Vassilios Gregoriou, solely in his capacity as the representative from and after the effective time for the Legacy Advent stockholders (the â€œSeller Representativeâ€), as amended by Amendment No. 1 and Amendment No. 2 to the Agreement and Plan of Merger, dated as of OctoberÂ 19, 2020 and DecemberÂ 31, 2020, respectively, by and among AMCI, Merger Sub, Sponsor, Legacy Advent, and Seller Representative. In connection with the closing of the Business Combination (the â€œClosingâ€), AMCI acquired 100% of the stock of Legacy Advent (as it existed immediately prior to the Closing) and its subsidiaries. Â On the Closing Date, and in connection with the closing of the Business Combination, AMCI changed its name to Advent Technologies Holdings, Inc. Legacy Advent was deemed the accounting acquirer in the Business Combination based on an analysis of the criteria outlined in Accounting Standards Codification (â€œASCâ€) 805. This determination was primarily based on Legacy Adventâ€™s stockholders prior to the Business Combination having a majority of the voting interests in the combined company, Legacy Adventâ€™s operations comprising the ongoing operations of the combined company, Legacy Adventâ€™s board of directors comprising a majority of the board of directors of the combined company, and Legacy Adventâ€™s senior management comprising the senior management of the combined company. Accordingly, for accounting purposes, the Business Combination was treated as the equivalent of Legacy Advent issuing stock for the net assets of AMCI, accompanied by a recapitalization. The net assets of AMCI are stated at historical cost, with no goodwill or other intangible assets recorded. Â While AMCI was the legal acquirer in the Business Combination, because Legacy Advent was deemed the accounting acquirer, the historical financial statements of Legacy Advent became the historical financial statements of the combined company, upon the consummation of the Business Combination. As a result, the consolidated financial statements included in this report reflect (i) the historical operating results of Legacy Advent prior to the Business Combination; (ii) the results of the Company (combined results of AMCI and Legacy Advent) following the closing of the Business Combination; (iii) the assets and liabilities of Legacy Advent at their historical cost; and (iv) Companyâ€™s equity structure for all periods presented. Â In accordance with guidance applicable to these circumstances, the equity structure has been restated in all comparative periods up to the Closing Date, to reflect the number of shares of the Companyâ€™s common stock, $0.0001 par value per share, issued to Legacy Adventâ€™s stockholders in connection with the recapitalization transaction. As such, the shares and corresponding capital amounts and earnings per share related to Legacy Advent Preferred Stock (â€œPreferred Series Aâ€ and â€œPreferred Series Seedâ€) and Legacy Advent common stock prior to the Business Combination have been retroactively restated as shares reflecting the exchange ratio established in the Business Combination Agreement. Activity within the statement of changes in stockholdersâ€™ equity / (deficit) for the issuances of Legacy Adventâ€™s Preferred Stock, were also retroactively converted to Legacy Advent common stock. Â On FebruaryÂ 18, 2021, Advent Technologies, Inc. entered into a Membership Interest Purchase Agreement with Bren-Tronics, Inc. (â€œBren-Tronicsâ€) and UltraCell, LLC (â€œUltraCellâ€), a Delaware limited liability company and a direct wholly owned subsidiary of Bren-Tronics. Â UltraCell LLC was renamed Advent Technologies LLC following its acquisition by the Company. Â On JuneÂ 25, 2021, the Company entered into a Share Purchase Agreement, with F.E.R. fischer Edelstahlrohre GmbH, a limited liability company incorporated under the Laws of Germany (the â€œSellerâ€) to acquire all of the issued and outstanding equity interests in SerEnergy A/S, a Danish stock corporation and a wholly-owned subsidiary of the Seller (â€œSerEnergyâ€) and fischer eco solutions GmbH, a German limited liability company and a wholly-owned subsidiary of the Seller (â€œFESâ€) together with certain outstanding shareholder loan receivables. Â SerEnergy and FES were renamed to Advent Technologies A/S and Advent Technologies GmbH, respectively, following their acquisition by the Company on AugustÂ 31, 2021. Â The unaudited condensed consolidated financial statements of the Company have been prepared to reflect the consolidation of the companies listed below: Â Schedule of subsidiaries in consolidation Â Â Â Â Â Â Â Â Â Â Â Â Â Country of Â Ownership Interest Â Statements of Operations Company Name Â Incorporation Â Direct Â Indirect Â 2024 Â 2023 Advent Technologies, Inc. Â USA Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies S.A. Â Greece Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies LLC Â USA Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies GmbH Â Germany Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Â On July 25, 2024, Advent Technologies A/S was declared bankrupt by the court in Aalborg, Denmark. The petition was brought by IDA, the union of engineers for â‚¬402,000. As the Company did not have the ability to pay the full amount due, the Danish court declared Advent Technologies A/S bankrupt. Advent Technologies A/S and its wholly owned subsidiary Advent Green Energy Philippines, Inc. will be liquidated by the court appointed trustee to settle all claims under the bankruptcy. The Company anticipates it will receive no residual assets. As a result of their bankruptcy, Advent Technologies A/S and Advent Green Energy Philippines, Inc. (collectively referred to as the â€œDiscontinued Subsidiariesâ€) have been presented as discontinued operations in the accompanying financial statements. Â Unaudited Condensed Consolidated Financial Statements Â The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with U.S. Generally Accepted Accounting Principles (â€œGAAPâ€) and pursuant to the regulations of the U.S. Securities and Exchange Commission (â€œSECâ€). The unaudited financial information reflects, in the opinion of management, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Companyâ€™s financial position, results of operations and cash flows for the periods indicated. The results reported for the interim period presented are not necessarily indicative of results that may be expected for the full year. These unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Companyâ€™s audited consolidated financial statements as of and for the year ended DecemberÂ 31, 2023, included in the Annual Report on Form 10-K filed with the SEC on AugustÂ 13, 2024. Â We reclassified certain prior year amounts in our consolidated financial statements to conform to the current year presentation. All reclassifications have been applied consistently to the periods presented. Â The unaudited condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries. Intercompany accounts and transactions have been eliminated. Â Share and per share amounts are presented on a post-conversion basis for all periods presented, unless otherwise specified. Â Going Concern Â The accompanying unaudited condensed consolidated financial statements have been prepared assuming the Company will continue as a going concern. The Company considers that the going concern basis is appropriate for the preparation of its unaudited condensed consolidated financial statements, as it is pursuing additional fund raising as disclosed below and has no intentions to proceed with liquidation. The going concern basis of presentation assumes that the Company will continue in operation one year from the date these unaudited condensed consolidated financial statements are issued and will be able to realize its assets and discharge its liabilities and commitments in the normal course of business. As such, the accompanying unaudited condensed consolidated financial statements do not include any adjustments relating to the recoverability and classification of assets and their carrying amounts, or the amount and classification of liabilities that may result should the Company be unable to continue as a going concern. Â In accordance with the Financial Accounting Standards Board (â€œFASBâ€) Accounting Standards Update (â€œASUâ€) 2014-15, Disclosure of Uncertainties about an Entityâ€™s Ability to Continue as a Going Concern (Subtopic 205-40), the Company has evaluated whether there are conditions and events, considered in the aggregate, that raise substantial doubt about the Companyâ€™s ability to continue as a going concern for one year from the date that the unaudited condensed consolidated financial statements are issued. The Companyâ€™s ability to meet its liquidity needs will largely depend on its ability to generate cash in the future. During the nine months ended SeptemberÂ 30, 2024, the Company provided $3.1 3,088 million of cash in operating activities (excluding discontinued operations), and the Companyâ€™s ability to generate cash in the future is subject to general economic, financial, competitive, legislative, regulatory, and other factors that are beyond the Companyâ€™s control. Furthermore, the Company has suffered recurring operating losses and has a negative net working capital position of $23.0 million as of SeptemberÂ 30, 2024. In addition, as of the issuance date of these unaudited condensed consolidated financial statements the Company is overdue in a number of its obligations which could give the right to creditors at any time from the issuance date of these consolidated financial statements to raise legal action against the Company which in turn could potentially lead to liquidation action against the Company and/or its subsidiaries. The transition to profitability and positive cash flow is highly dependent upon the successful development, approval, and commercialization of the Companyâ€™s products and the achievement of a revenue level adequate to support its cost structure and the Company can give no assurances that this will occur. Based on the Companyâ€™s current operating plan, the Company believes that its cash and cash equivalents as of SeptemberÂ 30, 2024, of $0.2 million and $0.5 million as of DecemberÂ 26, 2024, are not sufficient to fund operations and capital expenditures for the twelve months following the filing of this Quarterly Report on Form 10-Q, and the Company will need to obtain additional funding in the very near term, otherwise the Company may immediately substantially curtail or terminate its operations. Â The Company performed a cash flow projection on a monthly basis for the twelve-month period following the issuance of the consolidated financial statements. With regards to the cash flow projections, the projected inflows from revenues and grants will be insufficient to cover the projected outflows, as such, the Company will continue to have a negative net working capital position and a delay in the projected timing of the short term financing and inflows and/or an immediate demand by creditors of repayment of the long outstanding payables may result in the Company being insolvent and short of cash at any specific time over the coming weeks and over the next twelve months. Â The highlights of the projections are as follows: Â The Company projects cash inflows from contracted revenues and grants for which it has already signed agreements with third parties and estimates projected outflows assuming the effective implementation of the Companyâ€™s plans to reduce monthly expenditures gradually during 2024. Â In addition, the projections do not include any cash outflows relating to commitments and contingencies as disclosed in Note 19 to the unaudited condensed consolidated financial statements, since the Company believes that any cash outflows relating to these commitments will not materialize based on the Companyâ€™s plans to agree the termination of such contracts with its suppliers and a contingent loss as outcome of the pending arbitration it is not probable. Â Until such time as the Company generates sufficient revenue to fund its operations (if ever), the Company plans to finance its operations and repay its existing and future liabilities and other obligations through the sale of equity and/or debt securities and, to the extent available, short-term and long-term loans. Â With regards to the projected revenues and grants, a delay in the projected timing of inflows may result in the Company remaining insolvent and short of cash at any specific time over the next twelve months. Also, there is no guarantee that the Companyâ€™s plans to reduce monthly expenditures will be successful. Â If the Company is unable to obtain sufficient funding, it could be required to delay its development efforts, limit activities, and further reduce research and development costs, which could adversely affect its business prospects and delivery of contractual obligations. A cash shortfall at any point in time over the next twelve months could result in the Company failing to meet its overdue and current obligations which could trigger action against the Company and/or its subsidiaries for liquidation by employees, authorities, or creditors. Because of the uncertainty in securing additional funding, delays in growth of revenue, failure to materialize cost-cutting efforts and the insufficient amount of cash and cash equivalents as of the consolidated financial statement filing date, management has concluded that substantial doubt exists with respect to the Companyâ€™s ability to continue as a going concern for one year from the date the unaudited condensed consolidated financial statements are issued. Â X - DefinitionThe entire disclosure for the basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap_BasisOfAccounting Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_

Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 22 R11.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Summary of Significant Accounting Policies 2. Summary of Significant Accounting Policies Â There have been no significant changes from the significant accounting policies disclosed in Note 2 of the â€œNotes to Consolidated Financial Statementsâ€ included in the Annual Report Form 10-K filed with the SEC on AugustÂ 13, 2024. Â The Company did not apply any new accounting policies during the nine-month period ended SeptemberÂ 30, 2024 other than those noted below. Â Use of Estimates Â The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. On an on-going basis, management evaluates the estimates and judgments, including those related to the selection of useful lives for tangible assets, expected future cash flows from long-lived assets to support impairment tests, the carrying value of goodwill, provisions necessary for accounts receivables and inventory write downs, provisions for legal disputes, and contingencies. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from those estimates under different assumptions and/or conditions. Â Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Â Cash and cash equivalents are highly liquid investments with original maturities of three months or less. Cash and cash equivalents consist of cash on hand, deposits held on call with banks and investments in money market funds with original maturities of three months or less at the date of acquisition. As of DecemberÂ 31, 2023, the Company has cash and cash equivalents which are restricted of $0.9 million. The restricted cash equivalent was a letter of credit required by the Companyâ€™s lease agreement for the Hood Park facility in Boston, MA. The letter of credit is required for the duration of the lease agreement which commenced in OctoberÂ 2022 and then was terminated in JuneÂ 2024 resulting in the release of the letter of credit in the benefit of the landlord. Â The Company reconciles cash, cash equivalents, restricted cash and restricted cash equivalents reported in the consolidated balance sheets that aggregate to the beginning and ending balances shown in the unaudited condensed consolidated statements of cash flows as follows: Â Schedule of restricted cash and cash equivalents Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Cash and cash equivalents Â $ 192 Â Â $ 3,200 Â Restricted cash, current Â Â - Â Â Â 100 Â Restricted cash, non-current Â Â - Â Â Â 750 Â Cash, cash equivalents, restricted cash and restricted cash equivalents Â $ 192 Â Â $ 4,050 Â Â Credit Losses Â In JuneÂ 2016, the FASB issued ASU 2016-13, Financial Instrumentsâ€”Credit Losses (Topic 326): Measurement of Credit Losses of Financial Instruments, which amends the requirement on the measurement and recognition of expected credit losses for financial assets held. Furthermore, amendments ASU 2019-10 and ASU 2019-11 provided additional clarification for implementing ASU 2016-13. ASU 2016-13 is effective for the Company beginning JanuaryÂ 1, 2023, with early adoption permitted. The Company adopted the standard on JanuaryÂ 1, 2023, in accordance with the adoption dates for private entities applicable to it under its emerging growth company status at that time and the standard did not have a material impact on the Companyâ€™s unaudited condensed consolidated financial statements and related disclosures. The Company is exposed to credit losses primarily through sales of its products. The Company assesses each customerâ€™s ability to pay and a credit loss estimate by conducting a credit review which includes consideration of established credit rating or an internal assessment of the customerâ€™s creditworthiness based on an analysis of their payment history when a credit rating is not available. The Company monitors credit exposure through active review of customer balances. The Companyâ€™s expected loss methodology for accounts receivable is developed through consideration of factors including, but not limited to, historical collection experience, current customer credit ratings, current customer financial condition, current and future economic and market conditions, and age of the receivables. Charges related to credit losses are included in administrative and selling expenses and are recorded in the period that the outstanding receivables are determined to be doubtful. Account balances are written-off against the allowance when they are deemed uncollectible. Â During the three months ended September 30, 2024, certain receivables totaling $4.3 million from Advent Technologies A/S were fully reserved as expected credit losses. Â Inventories Â Inventories, which consist of raw materials, work-in-process and finished goods are stated at the lower of cost or net realizable value using the first-in, first-out cost method. Cost includes the cost of purchased materials, inbound freight charges, external and internal processing and applicable labor and overhead costs. Net realizable value is the estimated selling price in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. Â The Company periodically reviews quantities of inventories on hand and compares these amounts to the expected use of each product. Inventories are reviewed to determine if valuation allowances are required for obsolescence (excess, obsolete, and slow-moving inventory). This review includes analyzing inventory levels of individual parts considering the current design of our products and production requirements as well as the expected inventory requirements for maintenance on installed power platforms. The Company records a charge to cost of revenue for the amount required to reduce the carrying value of inventory to the net realizable value. Â Fair Value Measurements Â The Company follows the accounting guidance in ASC 820 for its fair value measurements of financial assets and liabilities measured at fair value on a recurring basis. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability. Â The accounting guidance requires fair value measurements be classified and disclosed in one of the following three categories: Â â— Level 1: Quoted prices in active markets for identical assets or liabilities. Â â— Level 2: Observable inputs other than Level 1 prices, for similar assets or liabilities that are directly or indirectly observable in the marketplace. Â â— Level 3: Unobservable inputs which are supported by little or no market activity and that are financial instruments whose values are determined using pricing models, discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant judgment or estimation. Â The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Assets and liabilities measured at fair value are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. Â Convertible Bond Loan Â On MayÂ 25, 2022, Advent Technologies S.A (â€œAdvent SAâ€) and UNI.FUND Mutual Fund (â€œUNIFUNDâ€) entered into an agreement to finance Cyrus SA (â€œCyrusâ€) with a convertible bond loan (â€œBond Loanâ€) of â‚¬1.0 million. As a part of this transaction, Advent SA offered â‚¬0.3 million in bond loans with an annual interest rate of 8.00%. The term of the loan is three years and there is a surcharge of 2.5% for overdue interest. Â Cyrus business relates to the research and experimental development in natural sciences and mechanics, the construction of pumps and hydrogen compressors and the wholesale of compressors. Hydrogen compressors are a critical part of the Hydrogen Refueling Stations (HRS) to be used by transport applications. Cyrus has developed a prototype Metal Hydride Compressor which offers unique advantages. The proceeds from the Bond Loan are to cover Cyrusâ€™s working capital needs in the context of its operation and the product development. Â Mandatory conversion of the Bond Loan will occur in the event of qualified financing which is equivalent to a share capital increase by Cyrus in the first three years from the execution of the Bond Loan agreement with a total amount over â‚¬3 million which is covered by third parties unrelated to the basic shareholders or by investors related to them. Â The Company classifies the Bond Loan as an available for sale financial asset on the consolidated balance sheets. The Company recognizes interest income within the consolidated statement of operations. For the three and nine months ended SeptemberÂ 30, 2024, the Company recognized $7 thousand and $21 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. For the three and nine months ended SeptemberÂ 30, 2023, the Company recognized $6 thousand and $19 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. Â The Company initially measured the available for sale Bond Loan at the transaction price plus any applicable transaction costs. The Bond Loan is remeasured to its fair value at each reporting period and upon settlement. The estimated fair value of the Bond Loan is determined using Level 3 inputs by using a discounted cash flow model. The change in fair value is recognized within the consolidated statements of comprehensive loss. As of SeptemberÂ 30, 2024, the Company continues to fully reserve the Bond Loan as an expected credit loss. The Company did not recognize any unrealized gain / (loss) during the three and nine months ended SeptemberÂ 30, 2024, or 2023. Â Warrant Liability Â As a result of the Business Combination, the Company assumed a warrant liability (the â€œWarrant Liabilityâ€) related to previously issued 131,343 warrants, each exercisable to purchase one share of common stock at an exercise price of $345.00 per share, originally sold to AMCI Sponsor LLC (the â€œSponsorâ€) in a private placement consummated in connection with AMCIâ€™s initial public offering (the â€œPrivate Placement Warrantsâ€) and the 13,333 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, converted from the Sponsorâ€™s non-interest bearing loan to the Company of $0.4 million in connection with the closing of the Business Combination (the â€œWorking Capital Warrantsâ€) (Note 13). The Private Placement Warrants and the Working Capital Warrants have substantially the same terms as the 734,309 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, issued by AMCI in its initial public offering (the â€œPublic Warrantsâ€). Â The following tables summarize the fair value of the Companyâ€™s assets and liabilities measured at fair value on a recurring basis as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023. Â Schedule of liabilities measured at fair value on recurring basis Â Â Â Â Â Â Â Â Â Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â $ - Â Â Â $ - Â Â $ - Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ - Â Â $ - Â Â Â $ - Â Â $ - Â Â Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â $ - Â Â Â Â $ - Â Â $ - Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Â Â Warrant liability Â $ 59 Â Â $ 59 Â Â Â $ 59 Â Â $ 59 Â Â The carrying amounts of the Companyâ€™s remaining financial instruments reflected on the consolidated balance sheets and which consist of cash and cash equivalents, accounts receivables, net, other current assets, trade and other payables, and other current liabilities, approximate their respective fair values due to their short-term nature. Â Changes in the fair value of Level 3 assets and liabilities for the three and nine months ended SeptemberÂ 30, 2024 and 2023 were as follows: Â Schedule of change in fair value of warrant liability Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Available for Sale Financial Asset Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 326 Â Â $ - Â Â $ 320 Â Estimated fair value of available for sale financial asset acquired Â Â - Â Â Â Â - Â Â Â - Â Â Â - Â Foreign exchange fluctuations Â Â - Â Â Â (10) Â Â - Â Â Â (4) Change in estimated fair value Â Â - Â Â Â - Â Â Â - Â Â Â - Â Estimated fair value (end of period) Â $ - Â Â $ 316 Â Â Â $ - Â Â $ 316 Â Â Warrant Liability Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 177 Â Â $ 59 Â Â $ 998 Â Change in estimated fair value Â Â - Â Â Â 135 Â Â Â Â (59) Â Â (355) Reclassification of private placement warrants Â Â - Â Â Â (213) Â Â - Â Â Â (545) Estimated fair value (end of period) Â $ - Â Â $ 99 Â Â $ - Â Â $ 99 Â Â The Warrant Liability is remeasured to its fair value at each reporting period and upon settlement. The change in fair value is recognized in â€œFair value change of warrant liabilityâ€ on the consolidated statements of operations. Â X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for all significant accounting policies of the reporting entity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 235 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/235/tableOfContent + Details Name: us-gaap_SignificantAccountingPoliciesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R12.htm IDEA: XBRL DOCUMENT v3.24.4 Related party disclosures 9 Months Ended Sep. 30, 2024 Related Party Transactions [Abstract] Â Related party disclosures 3. Related party disclosures Â Balances with related parties Â Schedule of related partiesÂ Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024Â Â DecemberÂ 31, 2023Â (Amounts in thousands)Â (Unaudited)Â Â Â Â Due to related partiesÂ Â Â Â Â Â Â Â Â Vassilios GregoriouÂ $75Â Â $-Â Maria GregoriouÂ Â 50Â Â Â -Â Emory S. De CastroÂ Â 128Â Â Â -Â TotalÂ $253Â Â $-Â Â The outstanding balances as of September 30, 2024 due to the Companyâ€™s executives and officers relate to short-term promissory notes with the Company.Â The notes are due by August 31, 2026 and bear interest at a rate of 5.00% per annum. Â Transactions with related parties Â Related partiesâ€™ transactions are in the normal course of operations and are measured at the amount of consideration established and agreed to by related parties. Â X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-5Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(e)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/850/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-6Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1 + Details Name: us-gaap_RelatedPartyTransactionsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.4 Accounts receivable, net 9 Months Ended Sep. 30, 2024 Receivables [Abstract] Â Accounts receivable, net 4. Accounts receivable, net Â Accounts receivable consist of the following: Â Schedule of accounts receivable Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accounts receivable from third party customers Â $ 2,142 Â Â $ 348 Â Less: Allowance for credit losses Â Â (1,868) Â Â (285) Accounts receivable, net Â $ 274 Â Â $ 63 Â Â X - DefinitionThe entire disclosure for claims held for amounts due to entity, excluding financing receivables. Examples include, but are not limited to, trade accounts receivables, notes receivables, loans receivables. Includes disclosure for allowance for credit losses. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/310-10/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2 + Details Name: us-gaap_LoansNotesTradeAndOtherReceivablesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_ReceivablesAbstract Namespace Prefix: us-gaap_ Data Type:

xbrli:stringItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.4 Inventories 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â Inventories 5. Inventories Â Inventories consist of the following: Â Schedule of inventories Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Raw materials and supplies Â $ 4,967 Â Â $ 4,864 Â Work-in-process Â Â 228 Â Â Â 90 Â Finished goods Â Â 264 Â Â Â 259 Â Total Â $ 5,459 Â Â $ 5,213 Â Provision for inventory Â Â (5,362) Â Â (5,018) Total Â $ 97 Â Â $ 195 Â Â The changes in the provision for inventory is as follows: Â Schedule of changes in provision for slow moving inventory Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Balance at beginning of period Â $ (5,175) Â $ (46) Â $ (5,018) Â $ (45) Additions during the period Â Â (11) Â Â (449) Â Â (250) Â Â (449) Exchange differences Â Â (176) Â Â 2 Â Â Â (94) Â Â 1 Â Balance at end of period Â $ (5,362) Â $ (493) Â $ (5,362) Â $ (493) Â Â X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContent + Details Name: us-gaap_InventoryDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.4 Prepaid expenses and other current assets 9 Months Ended Sep. 30, 2024 Prepaid Expenses And Other Current Assets Â Prepaid expenses and other current assets 6. Prepaid expenses and other current assets Â Prepaid expenses are analyzed as follows: Â Schedule of prepaid expenses Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Prepaid insurance expenses Â $ 410 Â Â $ 155 Â Prepaid research expenses Â Â 13 Â Â Â 36 Â Other prepaid expenses Â Â 125 Â Â Â 27 Â Total Â $ 548 Â Â $ 218 Â Â Prepaid insurance expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly include prepayments to insurers for directorsâ€™ and officersâ€™ insurance services for liabilities that may arise in their capacity as directors and officers of a public entity. Â Prepaid research expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly relate to prepayments for expenses under the Cooperative Research and Development Agreement as discussed in Note 16. Â Other prepaid expenses as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 mainly include prepayments for professional fees and purchases, which also include costs to fulfill a contract with customers which are expected to be recognized within 2024, upon delivery of services to these customers. Â Other current assets are analyzed as follows: Â Schedule of other current assets Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â VAT receivable Â $ 56 Â Â $ 267 Â Withholding tax Â Â - Â Â Â - Â Grant receivable Â Â 185 Â Â Â 181 Â Purchases under receipt Â Â - Â Â Â 1 Â Guarantees Â Â - Â Â Â - Â Other receivables Â Â 72 Â Â Â 91 Â Accrued sublease income Â Â - Â Â Â 80 Â Accrued interest income Â Â - Â Â Â - Â Total Â $ 313 Â Â $ 620 Â Â X - ReferencesNo definition available. + Details Name: adn_DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_PrepaidExpensesAndOtherCurrentAssetsTextBlock Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 27 R16.htm IDEA: XBRL DOCUMENT v3.24.4 Intangible Assets 9 Months Ended Sep. 30, 2024 Goodwill and Intangible Assets Disclosure [Abstract] Â Intangible Assets 7. Intangible Assets Â Information regarding our intangible assets, including assets recognized from our acquisitions, as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 is as follows: Â Schedule of intangible assets Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Finite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Software Â Â 237 Â Â Â (160) Â Â - Â Â Â 77 Â Total intangible assets Â $ 237 Â Â $ (160) Â $ - Â Â $ 77 Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Indefinite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Trade name â€œUltraCellâ€ Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Total indefinite-lived intangible assets Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Finite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Patents Â Â 21,221 Â Â Â (3,247) Â Â (17,974) Â Â - Â Process know-how (IPR&D) Â Â 2,612 Â Â Â (1,017) Â Â (1,595) Â Â - Â Order backlog Â Â 266 Â Â Â (266) Â Â - Â Â Â - Â Software Â Â 233 Â Â Â (154) Â Â - Â Â Â 79 Â Total finite-lived intangible assets Â $ 24,332 Â Â $ (4,684) Â $ (19,569) Â $ 79 Â Total intangible assets Â $ 24,738 Â Â $ (4,684) Â $ (19,975) Â $ 79 Â Â The Company did not record any additions to indefinite-lived intangible assets during the three and nine months ended SeptemberÂ 30, 2024 and 2023. Â The amortization expense for the intangible assets for the three months ended SeptemberÂ 30, 2024 and 2023 was nil 0 and $0.1 million, respectively. The amortization expense for the intangible assets for the nine months ended SeptemberÂ 30, 2024 and 2023 was $2.0 thousand and $0.5 million, respectively. Â All remaining intangible assets, other than software, from the UltraCell and SerEnergy and FES acquisitions were fully impaired during the year ended DecemberÂ 31, 2023. Â Amortization expense is recorded on a straight-line basis. Assuming constant foreign currency exchange rates and no change in the gross carrying amount of the intangible assets, future amortization expense related to the Companyâ€™s intangible assets subject to amortization as of SeptemberÂ 30, 2024 is expected to be as follows: Â Schedule of future amortization expense Â Â Â Â (Amounts in thousands) Â Â Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â 2024 Â $ 7 Â 2025 Â Â 28 Â 2026 Â Â 42 Â 2027 Â Â - Â 2028 Â Â - Â Thereafter Â Â - Â Total Â $ 77 Â Â X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for goodwill and intangible assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-30/tableOfContentReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-20/tableOfContent + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 28 R17.htm IDEA: XBRL DOCUMENT v3.24.4 Property, plant and equipment, net 9 Months Ended Sep. 30, 2024 Property, Plant and Equipment [Abstract] Â Property, plant and equipment, net 8. Property, plant and equipment, net Â The Companyâ€™s property, plant and equipment, net, consisted of the following: Â Schedule of property, plant and equipment, net Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Land, Buildings & Leasehold Improvements Â $ 1,014 Â Â $ 12,632 Â Machinery Â Â 6,176 Â Â Â 10,908 Â Equipment Â Â 1,911 Â Â Â 2,591 Â Â Â $ 9,101 Â Â $ 26,131 Â Less: accumulated depreciation Â Â (1,407) Â Â (3,661) Less: impairment Â Â (2,384) Â Â (2,384) Total Â $ 5,310 Â Â $ 20,086 Â Â During the three and nine months ended SeptemberÂ 30, 2024, additions to property, plant and equipment of nil 0 and $28 thousand, respectively, for equipment. During the three and nine months ended SeptemberÂ 30, 2023, additions to property, plant and equipment were $5.1 million and $9.0 million, respectively, primarily consisting of machines and assets related to the construction of the Hood Park facility. Additionally, on AprilÂ 27, 2023, the Company entered into an agreement with ETTEL S.A. to purchase land in Kozani, Greece in the amount of à¬0.8 million. Â During the nine months ended SeptemberÂ 30, 2024, the Company disposed of leasehold improvements, sold machinery and disposed of other equipment with an aggregate net book value of $13.6 million for net proceeds of $0.9 million resulting in a loss of $12.7 million. Â On JuneÂ 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on JuneÂ 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. During the nine months ended SeptemberÂ 30, 2024, the Company wrote off $9.8 million of leasehold improvements and $0.5 million of furniture as part of the exit of Hood Park. As of DecemberÂ 31, 2023, the Company had $10.4 million of leasehold improvements and $0.5 million of furniture that will be forfeited as part of the exit of Hood Park. Â On MayÂ 7, 2024, the Company entered into an agreement to sell some of its coating machines (part of its property, plant and equipment) from the Hood Park facility for $0.9 million resulting in a loss of $2.5 million. On MayÂ 8, 2024, the Company received an initial deposit of $0.3 million and the remaining $0.6 million in JulyÂ 2024. The remaining machinery and equipment from Hood Park were relocated and is planned for use at the Companyâ€™s other locations. Â Depreciation expense during the three months ended September 30, 2024 and 2023 was $0.2 million and $0.9 million, respectively. Depreciation expense for the nine months ended SeptemberÂ 30, 2024 and 2023 was $1.0 1,157 million and $2.1 1,596 million, respectively. Â There are no collaterals or other commitments on the Companyâ€™s property, plant and equipment. Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 7 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-7 + Details Name: us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R18.htm IDEA: XBRL DOCUMENT v3.24.4 Other non-current assets 9 Months Ended Sep. 30, 2024 Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract] Â Other non-current assets 9. Other non-current assets Â Other non-current assets as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 are mostly comprised of guarantees to suppliers of $0.2 million and $0.2 million, respectively. Â X - ReferencesNo definition available. + Details Name: us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for other assets. This disclosure includes other current assets and other noncurrent assets. + ReferencesNo definition available. + Details Name: us-gaap_OtherAssetsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R19.htm IDEA: XBRL DOCUMENT v3.24.4 Trade and other payables 9 Months Ended Sep. 30, 2024 Payables and Accruals [Abstract] Â Trade and other payables 10. Trade and other payables Â Trade and other payables as of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023 include balances of suppliers and consulting service providers of $16.4 16,420 million and $4.0 3,996 million, respectively. Â The increase in trade and other payables for the three months ended September 30, 2024 is driven by an $11.6 million payable between the Company and one of its Discontinued Subsidiaries which was previously eliminated as intercompany activity. Â X - DefinitionThe entire disclosure for accounts payable and accrued liabilities at the end of the reporting period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 720 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483384/720-30-45-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccountsPayableAndAccruedLiabilitiesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_PayablesAndAccrualsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 31 R20.htm IDEA: XBRL DOCUMENT v3.24.4 Other current liabilities 9 Months Ended Sep. 30, 2024 Other Current Liabilities Â Other current liabilities 11. Other current liabilities Â As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, other current liabilities consist of the following: Â Schedule of other current liabilities Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses(1) Â $ 563 Â Â $ 653 Â Other short-term payables Â Â 802 Â Â Â 44 Â Taxes and duties payable Â Â 299 Â Â Â 255 Â Provision for unused vacation Â Â 4 Â Â Â 4 Â Social security funds Â Â 108 Â Â Â 70 Â Overtime provision Â Â 9 Â Â Â 9 Â Total Â $ 1,785 Â Â $ 1,035 Â Â Â (1) Accrued expenses are analyzed as follows: Â Schedule of accrued expenses Â Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses for legal and consulting fees Â $ 243 Â Â $ 219 Â Accrued payroll fees Â Â 39 Â Â Â 139 Â Other accrued expenses Â Â 281 Â Â Â 295 Â Total Â $ 563 Â Â $ 653 Â Â Other accrued expenses mainly consist of accrual of staff expenses and audit fees. Â X - ReferencesNo definition available. + Details Name: adn_DisclosureOtherCurrentLiabilitiesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_OtherCurrentLiabilitiesTextBlock Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 32 R21.htm IDEA: XBRL DOCUMENT v3.24.4 Leases 9 Months Ended Sep. 30, 2024 Leases Â Leases 12. Leases Â The Company enters into operating lease agreements for the use of real estate and certain other equipment. The Company determines if an arrangement contains a lease at inception, which is the date on which the terms of the contract are agreed to and the agreement creates enforceable rights and obligations. The impacts of accounting for operating leases are included in Right-of-use assets, Operating lease liabilities, and Long-term operating lease liabilities in the Companyâ€™s consolidated balance sheets. Â On FebruaryÂ 5, 2021, the Company entered into a lease agreement by and among the Company, in its capacity as tenant, and BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord. The lease provides for the rental by the Company of office space at 200 Clarendon Street, Boston, MA 02116 for use as the Companyâ€™s executive offices. Under the terms of the lease, the Company leases 6,041 square feet at an initial fixed annual rent of $0.5 million. The term of the lease is for five 5 years (unless terminated as provided in the lease) and commenced on AprilÂ 1, 2021. The Company provided security in the form of a security deposit in the amount of $0.1 million which is included in Other non-current assets on the consolidated balance sheet as of DecemberÂ 31, 2023. On AprilÂ 17, 2024, the landlord terminated the lease for past due rent totaling $0.2 million and seized the security deposit of $0.1 million. Â On JanuaryÂ 9, 2023, the Company entered into a sublease agreement by and among the Company, in its capacity as sublandlord, BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord, and Hughes Boston, Inc. (â€œHughesâ€), in its capacity as subtenant. The sublease provides for the rental by Hughes of office space at 200 Clarendon Street, Boston, MA 02116. Under the terms of the sublease, Hughes subleases 6,041 square feet at an initial fixed annual rent of $0.6 million and will increase 3.0% on each anniversary of the sublease commencement date. The term of the sublease is through MarchÂ 2026 (unless terminated as provided in the sublease) and the sublease commencement date was FebruaryÂ 1, 2023. The sublease was terminated on AprilÂ 17, 2024 in connection with the termination of the lease agreement with BP Hancock LLC, in its capacity as landlord. Â During the three months ended SeptemberÂ 30, 2024, and SeptemberÂ 30, 2023, the Company recognized nil 0 and $0.1 million, respectively, in rent income. During the nine months ended SeptemberÂ 30, 2024 and SeptemberÂ 30, 2023, the Company recognized $0.1 million and $0.1 million in rent income, respectively. Rent income is included within sublease income in the unaudited condensed consolidated statement of operations Â Additionally, the Companyâ€™s subsidiaries, Advent Technologies S.A. and Advent Technologies LLC, have in place rental agreements for the lease of office and factory spaces. Â On MarchÂ 8, 2021, the Company entered into a lease for 21,401 square feet as a product development and manufacturing center at Hood Park in Charlestown, MA. Under the terms of the lease, the Company will pay an initial fixed annual rent of $1.5 million. The lease has a term of eight 8.5 years and five months, with an option to extend for five 5 years, and commenced in OctoberÂ 2022. The Company is obliged to provide security in the form of a security deposit in the amount of $0.8 million before commencement of the lease. Â On AprilÂ 1, 2024, the Company agreed with the landlord of the Hood Park facility for a 4-month rate abatement period (March through JuneÂ 2024) and extend the term of the lease for 4 additional months. On JuneÂ 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on JuneÂ 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. Â Rental expense for all operating

leases was nil 0 and $0.3 million for the three months ended SeptemberÂ 30, 2024, and 2023, respectively. For the three months ended SeptemberÂ 30, 2024, and 2023, rental expense for short-term leases was nil 0 and $0.3 million, respectively. Â Rental expense for all operating leases was $4.7 million and $1.7 million for the nine months ended SeptemberÂ 30, 2024, and 2023, respectively. For the nine months ended SeptemberÂ 30, 2024, and 2023, rental expense for short-term leases was $0.01 million and $0.4 million, respectively. Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, the right of use assets, net associated with operating leases was $0.3 279 million and $3.2 3,157 million, respectively. Â As of SeptemberÂ 30, 2024, undiscounted maturities of operating lease liabilities remaining are as follows (amounts in thousands): Â Schedule of maturities of operating lease liabilities Â Â Â Â Â Â Â OperatingLeases Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â 2024 Â $ 35 Â 2025 Â Â 140 Â 2026 Â Â 107 Â 2027 Â Â 4 Â 2028 Â Â - Â Thereafter Â Â - Â Total undiscounted lease payments Â $ 286 Â Less: imputed interest Â Â (16) Total discounted lease payments Â $ 270 Â Less: current portion Â Â (111) Long-term lease liabilities Â $ 159 Â Â X - ReferencesNo definition available. + Details Name: adn_DisclosureLeasesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 33 R22.htm IDEA: XBRL DOCUMENT v3.24.4 Private Placement Warrants and Working Capital Warrants 9 Months Ended Sep. 30, 2024 Private Placement Warrants And Working Capital Warrants Â Private Placement Warrants and Working Capital Warrants 13. Private Placement Warrants and Working Capital Warrants Â In connection with the Business Combination, the Company assumed 131,343 Private Placement Warrants issued upon AMCIâ€™s initial public offering. In addition, upon the closing of the Business Combination, the working capital loan provided by AMCIâ€™s Sponsor to AMCI was converted into 13,333 Working Capital Warrants, which were also assumed. The terms of the Working Capital Warrants are the same as those of the Private Placement Warrants. Â As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company had an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants outstanding. Each Private Placement Warrant and Working Capital Warrant entitles the registered holder to purchase one 1 share of Common Stock at a price of $345.00 per share, subject to adjustment, at any time commencing 30 days after the completion of the Business Combination. The Public Warrants expire five 5 years after the closing of the Business Combination or earlier upon redemption or liquidation. Â The Private Placement Warrants and Working Capital Warrants are identical to the Public Warrants, except that the Private Placement Warrants and Working Capital Warrants and the common stock issuable upon the exercise of those warrants were not transferable, assignable or salable until 30 days after the completion of a Business Combination, subject to certain limited exceptions. Additionally, the Private Placement Warrants and Working Capital Warrants are exercisable on a cashless basis and be non-redeemable so long as they are held by the initial purchasers or their permitted transferees. If those warrants are held by someone other than the initial purchasers or their permitted transferees, they will be redeemable by the Company and exercisable by such holders on the same basis as the Public Warrants. As of SeptemberÂ 30, 2024, an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants are held by its initial purchasers. Â According to the provisions of the Private Placement Warrants and Working Capital Warrants warrant agreements, the exercise price and number of shares of common stock issuable upon exercise of those warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. Private Placement Warrants and Working Capital Warrants are classified as liabilities in accordance with the Companyâ€™s evaluation of the provisions of ASC 815-40-15, which provides that a warrant is not indexed to the issuerâ€™s common stock if the terms of the warrant require an adjustment to the exercise price upon a specified event and that event is not an input to the fair value of the warrant with a fixed exercise price and fixed number of underlying shares. Â X - ReferencesNo definition available. + Details Name: adn_DisclosurePrivatePlacementWarrantsAndWorkingCapitalWarrantsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for derivatives and fair value of assets and liabilities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 815 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/815/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 820 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/820/tableOfContent + Details Name: us-gaap_DerivativesAndFairValueTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.4 Stockholdersâ€™ Equity 9 Months Ended Sep. 30, 2024 Equity [Abstract] Â Stockholdersâ€™ Equity 14. Stockholdersâ€™ Equity Â Shares Authorized Â As of SeptemberÂ 30, 2024, the Company had authorized a total of 501,000,000 shares for issuance with 500,000,000 shares designated as common stock, par value $0.0001 per share, and 1,000,000 shares designated as preferred stock, par value $0.0001 per share. Â Common Stock Â From FebruaryÂ 2, 2024, through MarchÂ 28, 2024, 24,976 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $0.1 million Â From AprilÂ 1, 2024, through AprilÂ 15, 2024, 31,373 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $0.2 million. Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, there were 2,636,508 and 2,580,159 shares of issued and outstanding common stock with a par value of $0.0001 per share, respectively. Â Reverse Stock Split Â On AprilÂ 29, 2024 and AprilÂ 30, 2024, our stockholders and Board, respectively, approved a reverse stock split of our Common Stock, at a ratio of 1-for-30 (the â€œReverse Stock Splitâ€), as of the Effective Date. The Effective Date of the Reverse Stock Split with the Secretary of the Commonwealth of Massachusetts was 5:00 p.m. on MayÂ 13, 2024 and MayÂ 14, 2024 in the marketplace. Â On MayÂ 13, 2024, the Company completed a 1-for-30 reverse stock split. Â On the Effective Date, the total number of shares of our Common Stock held by each shareholder was converted automatically into the number of whole shares of Common Stock equal to (i) the number of issued and outstanding shares of Common Stock held by such shareholder immediately prior to the Reverse Stock Split, divided by (ii) 30. Â No fractional shares were issued in connection with the Reverse Stock Split, and stockholders who would otherwise be entitled to a fractional share received a proportional cash payment in AprilÂ 2024. The Reverse Stock Split did not have any effect on the stated par value of the Companyâ€™s Common Stock. The rights and privileges of the holders of shares of Common Stock will be unaffected by the Reverse Stock Split. Â The Company is authorized to issue 501,000,000 shares of Common Stock and that number did not change as a result of the Reverse Stock Split. Â The consolidated financial statements and footnote disclosures have been updated to reflect the retrospective effect of the reverse stock split for all periods presented. Â At the Market Offering Agreement Â On JuneÂ 2, 2023, the Company entered into an At The Market Offering Agreement (the â€œATM Agreementâ€) with H.C. Wainwright & Co., LLC, as sales agent (the â€œAgentâ€), to create an at-the-market equity program under which it may sell up to $50 million of shares of the Companyâ€™s common stock (the â€œSharesâ€) from time to time through the Agent (the â€œATM Offeringâ€). Under the ATM Agreement, the Agent will be entitled to a commission at a fixed rate of 3.0% of the gross proceeds from each sale of Shares under the ATM Agreement. Â Sales of the Shares, if any, under the ATM Agreement may be made in transactions that are deemed to be â€œat-the-market equity offeringsâ€ as defined in RuleÂ 415 under the Securities Act, including sales made by means of ordinary brokersâ€™ transactions, including on the Nasdaq Capital Market, at prevailing market prices at the time of sale or as otherwise agreed with the Agent. The Company has no obligation to sell, and the Agent is not obligated to buy or sell, any of the Shares under the Agreement and may at any time suspend offers under the Agreement or terminate the Agreement. The ATM Offering will terminate upon the termination of the ATM Agreement as permitted therein. The Shares will be issued pursuant to the Companyâ€™s previously filed Registration Statement on Form S-3 (File No. 333-271389) that was declared effective on MayÂ 2, 2023, and a prospectus supplement and accompanying prospectus relating to the ATM Offering filed with the SEC on JuneÂ 2, 2023. Â Deferred offering costs associated with the ATM Agreement are reclassified to additional paid in capital on a pro-rata basis when the Company completes offerings under the ATM Agreement. Any remaining deferred costs will be expensed to the statements of operations should the planned offering be terminated. Â Public Warrants Â In connection with the Business Combination, the Company assumed the Public Warrants issued upon AMCIâ€™s initial public offering. Â As of DecemberÂ 31, 2020, the Company had 735,069 Public Warrants outstanding. Each Public Warrant entitles the registered holder to purchase one share of common stock at a price of $345.00 per share, subject to adjustment, at any time commencing 30 days after the completion of the Business Combination. The Public Warrants will expire five years after the completion of the Business Combination or earlier upon redemption or liquidation. During the second quarter of 2021, certain warrant holders exercised their option to purchase an additional 760 shares at $345.00 per share. These exercises generated $262,177 additional proceeds to the Company and increased the Companyâ€™s shares outstanding by 760 shares. During 2023, one original Private Warrant Holder sold all their Private Placement Warrants resulting in a reclassification to Public Warrants. Following these exercises, as of SeptemberÂ 30, 2024, the Companyâ€™s Public Warrants amounted to 813,314. Â Once the warrants become exercisable, the Company may redeem the Public Warrants: Â â€“ in whole and not in part; Â â€“ at a price of $0.01 per warrant; Â â€“ upon not less than 30 daysâ€™ prior written notice of redemption; Â â€“ if, and only if, the reported last sale price of the Companyâ€™s Common Stock equals or exceeds $540.00 per share for any 20 trading days within a 30-trading day period ending three business days before the Company sends the notice of redemption to the warrant holders; and Â â€“ if, and only if, there is a current registration statement in effect with respect to the shares of Common Stock underlying such warrants. Â If the Company calls the Public Warrants for redemption, management will have the option to require all holders that wish to exercise the Public Warrants to do so on a â€œcashless basis,â€ as described in the warrant agreement. The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. However, the warrants will not be adjusted for issuance of Common Stock at a price below its exercise price. In addition, the warrant agreement provides that in case of a tender offer or exchange that involves 50% or more of the Companyâ€™s stockholders, the Public Warrants may be settled in cash, equity securities or other assets depending on the kind and amount received per share by the holders of the common stock in such consolidation or merger that affirmatively make such election. Â The Public Warrants are classified in equity in accordance with the Companyâ€™s evaluation of the provisions of ASC 480 and ASC 815. The Company analyzed the terms of the Public Warrants and concluded that there are no terms that provide that the warrant is not indexed to the issuerâ€™s common stock. The Company also analyzed the tender offer provision discussed above and considering that upon the Closing of the Business Combination the Company has a single class of common shares, concluded that the exception discussed in ASC 815-40-25 applies, and thus equity classification is not precluded. Â Stock-Based Compensation Plans Â 2021 Equity Incentive Plan Â The Companyâ€™s Board of Directors (sometimes referred to herein as the â€œBoardâ€) and stockholders previously approved the 2021 Equity Incentive Plan (the â€œPlanâ€) to reward certain employees and directors of the Company. The Plan has been established to advance the interests of the Company by providing for the grant to Participants of Stock and Stock-based Awards. The maximum number of shares of Common Stock that may be delivered in satisfaction of Awards under the Plan is 569,273 shares. On AprilÂ 29, 2024, the stockholders voted to increase the number of shares of Common Stock issuable under the Companyâ€™s 2021 Equity Incentive Plan from 230,530 to 569,306. Â Stock Options Â Pursuant to and subject to the terms of the Plan the Company entered into separate Stock Option Agreements with each participant according to which each participant is granted an option (the â€œStock Optionâ€) to purchase up to a specific number of shares of common stock set forth in each agreement with an exercise price equal to the market price of Companyâ€™s common stock at the date of grant. The Company did not grant Stock Options during the three and nine months ended SeptemberÂ 30, 2024. Â Stock Options are granted to each participant in connection with their employment with the Company. The Stock Options vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period for the stock options. The Company recognized compensation cost of $0.6 million and $2.0 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2024, respectively. The Company recognized compensation cost of $0.8 million and $2.5 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur. Â The following table summarizes the activities for our unvested stock options for the nine months ended SeptemberÂ 30, 2024: Â Schedule of activities for unvested stock Â Â Â Â Â Â Â Â Â Â Â Number of options Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 57,894 Â Â $ 124.24 Â Vested Â Â (21,920) Â $ 134.19 Â Forfeited Â Â (11,948) Â $ 96.94 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,026 Â Â $ 128.75 Â Â As of SeptemberÂ 30, 2024, there was $1.4 million of unrecognized compensation cost related to unvested Stock Options. This amount is expected to be recognized over the remaining vesting period of Stock Options. Â Restricted Stock Units Â Pursuant to and subject to the terms of the Plan the Company entered into separate Restricted Stock Units (â€œRSUsâ€) with each participant. On the grant date of RSUs, the Company grants to each participant a specific number of RSUs as set forth in each agreement, giving each participant the conditional right to receive without payment one share of common stock. The RSUs are granted to each participant in connection with their ongoing employment with the Company. The Company has in place Restricted Stock Unit Agreements that vest within one year and Restricted Stock Unit Agreements that vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period. The Company recognized compensation cost of $1.4 million and $4.0 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2024, respectively. The Company recognized compensation cost of $1.6 million and $4.9 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended SeptemberÂ 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur. The Company did not grant RSUs during the nine months ended SeptemberÂ 30, 2024. Â The following table summarizes the activities for our unvested RSUs for the nine months ended SeptemberÂ 30, 2024: Â Schedule of restricted stock units granted Â Â Â Â Â Â Â Â Â Â Â Number ofShares Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 67,894 Â Â $ 200.1 Â Vested Â Â (29,503) Â $ 198.95 Â Forfeited Â Â (14,275) Â $ 126.55 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,116 Â Â $ 244.63 Â Â As of SeptemberÂ 30, 2024, there was $2.5 million of unrecognized compensation cost related to unvested RSUs. This amount is expected to be recognized over the remaining vesting period of Restricted Stock Unit Agreements. Â X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for equity. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14:

http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18 + Details Name: us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.4 Revenue 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â Revenue 15. Revenue Â Revenue is analyzed as follows: Â Schedule of revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Sales of goods Â $ 128 Â Â $ 112 Â Â $ 1,852 Â Â $ - Â Sales of services Â Â - Â Â Â - Â Â Â 1,668 Â Â Â 222 Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â The timing of revenue recognition is analyzed as follows: Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Timing of revenue recognition Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Revenue recognized at a point in time Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Revenue recognized over time Â Â - Â Â Â - Â Â Â - Â Â Â - Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, Advent recognized contract assets of nil 0 and $9 thousand, respectively, on the consolidated balance sheets. Â As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, Advent recognized contract liabilities of $1.2 million and $0.4 million, respectively, in the consolidated balance sheets. During the nine months ended SeptemberÂ 30, 2024, the company recognized the amount of $0.1 million in revenues. Â X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from cost incurred to obtain or fulfill contract with customer. Excludes insurance and lease contracts. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-9Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-15Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-12Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 606 -Publisher FASB -URI https://asc.fasb.org/606/tableOfContent + Details Name: us-gaap_RevenueFromContractWithCustomerTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.4 Collaborative Arrangements 9 Months Ended Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Collaborative Arrangements 16. Collaborative Arrangements Â Cooperative Research and Development Agreement Â In AugustÂ 2020, the Company entered into a Cooperative Research and Development Agreement (â€œCRADAâ€) with Triad National Security, LLC (â€œTRIADâ€), Alliance for Sustainable Energy LLC (â€œASEâ€), and Brookhaven Science Associates (â€œBSAâ€). The purpose of this project is to build a fuel cell prototype that moves this technology closer to commercial readiness which was sanctioned by the Los Alamos National Laboratory and the National Renewable Energy Laboratory. The Governmentâ€™s estimated total contribution, which is provided through TRIADâ€™s, ASEâ€™s, and BSAâ€™s respective contracts with the Department of Energy is $1.2 million, subject to available funding. As a part of the CRADA, the Company is required to contribute $1.2 million in cash and $0.6 million of in-kind contributions, such as personnel salaries. The cash payments are capitalized and amortized on a straight-line basis over the life of the contract. In-kind contributions are expensed as incurred. To date, the Company has not recognized any revenue from the CRADA. In DecemberÂ 2022, the term of the agreement was extended until MarchÂ 3, 2024. In JanuaryÂ 2024, the term of the agreement was extended until SeptemberÂ 3, 2024. Â Expenses from Collaborative Arrangements Â For the three and nine months ended SeptemberÂ 30, 2024, an amount of nil 0 and $0.1 million has been recognized in research and development expenses on the unaudited condensed consolidated statements of operations, respectively. For the three and nine months ended SeptemberÂ 30, 2023, an amount of $0.2 million and $1.5 million has been recognized in research and development expenses on the consolidated statements of operations, respectively. Â X - DefinitionThe entire disclosure for collaborative arrangements in which the entity is a participant, including a) information about the nature and purpose of such arrangements; b) its rights and obligations thereunder; c) the accounting policy for collaborative arrangements; and d) the income statement classification and amounts attributable to transactions arising from the collaborative arrangement between participants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 808 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 808 -Publisher FASB -URI https://asc.fasb.org/808/tableOfContent + Details Name: us-gaap_CollaborativeArrangementDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.4 Income Taxes 9 Months Ended Sep. 30, 2024 Income Tax Disclosure [Abstract] Â Income Taxes 17. Income Taxes Â To calculate the interim tax provision, at the end of each interim period the Company estimates the annual effective tax rate and applies that to its ordinary quarterly earnings. The effect of changes in the enacted tax laws or rates is recognized in the interim period in which the change occurs. The computation of the annual estimated effective tax rate at each interim period requires certain estimates and judgments including, but not limited to, the expected operating income for the year, projections of the proportion of income earned and taxed in foreign jurisdictions, permanent differences between book and tax amounts, and the likelihood of recovering deferred tax assets generated in the current year. The accounting estimates used to compute the provision for income taxes may change as new events occur, additional information is obtained, or the tax environment changes. Â During the three and nine months ended SeptemberÂ 30, 2024, the Company recorded income tax benefit of nil 0 and $0.1 55 million, respectively, mainly related to net operating loss carryforwards. During the three and nine months ended September 30, 2023, the Company recorded income tax benefits of $80 81 thousand and $0.2 204 million, respectively, mainly related to the Companyâ€™s recoverability assessment of research and development tax credits in Denmark. As of SeptemberÂ 30, 2024, and DecemberÂ 31, 2023, the Company provided a valuation allowance to offset the deferred tax asset related to the net operating loss carryforwards in Denmark. Â X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12CReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12BReference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477891/740-270-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.5.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-13Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/740/tableOfContentReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-14Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-21Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-17Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 11.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482603/740-30-50-2 + Details Name: us-gaap_IncomeTaxDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 38 R27.htm IDEA: XBRL DOCUMENT v3.24.4 Segment Reporting and Information about Geographical Areas 9 Months Ended Sep. 30, 2024 Segment Reporting [Abstract] Â Segment Reporting and Information about Geographical Areas 18. Segment Reporting and Information about Geographical Areas Â Reportable Segments Â The Company develops and manufactures high-temperature proton exchange membranes (â€œHT-PEMâ€ or â€œHT-PEMsâ€) and fuel cell systems for the off-grid and portable power markets and plans to expand into the mobility market. The Companyâ€™s current revenue is derived from the sale of fuel cell systems and from the sale of MEAs, membranes, and electrodes for specific applications in the fuel cell and energy storage (flow battery) markets. The research and development activities are viewed as another product line that contributes to the development, design, production and sale of fuel cell products; however, it is not considered a separate operating segment. The Company has identified one 1 business segment. Â Geographic Information Â The following table presents revenues, by geographic location (based on the location of the entity selling the product) for the three and nine months ended SeptemberÂ 30, 2024 and 2023: Â Schedule of revenues, by geographic location Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â North America Â $ 128 Â Â $ 63 Â Â $ 3,052 Â Â $ 173 Â Europe Â Â - Â Â Â 49 Â Â Â 468 Â Â Â 49 Â Asia Â Â - Â Â Â - Â Â Â - Â Total net sales Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for reporting segments including data and tables. Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 10: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 54 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-54Reference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 47 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-47Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 34 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-34Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26C -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26B -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section

50 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-15Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/280/tableOfContentReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 26 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-26Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-21Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_SegmentReportingDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.4 Commitments and contingencies 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Commitments and contingencies 19. Commitments and contingencies Â Litigation Â The Company is subject to legal and regulatory actions that arise from time to time in the ordinary course of business. The assessment as to whether a loss is probable or reasonably possible, and as to whether such loss or a range of such loss is estimable, often involves significant judgment about future events. Â On JuneÂ 7, 2023, the Company was served a Request for Arbitration from F.E.R. fischer Edelstahlrohre GmbH (â€œF.E.R.â€), pursuant to the arbitration provisions of the Share Purchase Agreement dated JuneÂ 25, 2021 whereby the Company acquired SerEnergy and FES, which acquisition closed on AugustÂ 31, 2021. The arbitration was held in Frankfurt am Main, Germany in accordance with the Arbitration Rules of the German Arbitration Institute, and the parties presented closing arguments in MayÂ 2024. F.E.R. is asserting that it is due approximately â‚¬4.5 million based on the cap and corresponding value of the share consideration at the date of closing. On AugustÂ 16, 2024, the Company was informed that an arbitration decision and award was decided in favor of F.E.R. in the amount of approximately â‚¬4.5 million. On November 18, 2024, the Company filed a motion with the Higher Regional Court of Frankfurt to set aside the arbitral award. At this time, the Company cannot accurately predict the outcome of this matter, however, has recorded a loss contingency in the amount of $4.9 million, accrued interest expense of $0.3 million for a total of $5.2 million accrued loss liability as of SeptemberÂ 30, 2024. Â There is no other material pending or threatened litigation against the Company that remains outstanding as of SeptemberÂ 30, 2024, that is considered probable or reasonably possible. Â Guarantee letters Â The Company had contingent liabilities in relation to performance guarantee letters and other guarantees provided to third parties that arise from its normal business activity and from which no substantial charges are expected to arise. As of SeptemberÂ 30, 2024 and DecemberÂ 31, 2023, the Company did not hold any letters of guarantee. Â Contractual obligations Â In DecemberÂ 2021, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and BASF New Business GmbH, in its capacity as Seller. The supply agreement provides for the purchase by the Company of 21,000m2 (Minimum Quantity) of membrane from BASF during the contract duration from JanuaryÂ 1, 2022 until DecemberÂ 31, 2025. The Company has not purchased any additional quantities in 2024 under this agreement and on JulyÂ 12, 2024, has formally requested to terminate the supply contract. Â In JuneÂ 2022, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and Shin-Etsu Polymer Singapore Pte, Ltd (â€œShin-Etsuâ€), in its capacity as Seller. The supply agreement provides for the purchase by the Company of 318,400 pieces (Minimum Quantity) of bipolar plates from Shin-Etsu during the contract duration from JuneÂ 1, 2022 until JuneÂ 30, 2024. In MayÂ 2023, the Company amended the supply agreement with Shin-Etsu to reduce the Minimum Quantity of bipolar plates to 75,400 pieces. In JanuaryÂ 2024, the Company amended the supply agreement with Shin-Etsu to shift the timing of the monthly minimum requirements and extend the agreement until SeptemberÂ 2024. The Company has not made any purchases under the amended agreement in 2024, the contract is currently on hold pending negotiations with Shin Etsu. Under the contract, Shin- Etsu can claim Advent to buy the remaining purchase requirement with the agreed purchases by the end of SeptemberÂ 2024. The Company has not purchased any additional quantities in 2024 under this agreement and has formally requested to terminate the supply contract. Â The following table summarizes our contractual obligations as of SeptemberÂ 30, 2024: Â Schedule of contractual obligations Â Â Â

Class II directors. Mr. Lukash will serve on the compensation and audit committees, and as chair of the audit committee. Mr. Celia will serve on the audit and compensation committees and as a chair of the compensation committee. Â Mr. Seth Lukash, 78, is a seasoned corporate director, officer, and investor. For 30 years he was a CEO for various technology and manufacturing companies. He was CEO and President of Tridex, Inc. (n/k/a TransAct Technologies (Nasdaq: TACT) a manufacturer of printers and peripherals to the banking, lottery/gaming, and retail sales markets. Mr. Lukash was Chairman and CEO of Progressive Software, a large provider of application software to the restaurant and hospitality industry. After the sale and divestiture of these companies he advised several technology companies. He has served as an advisor to OEM Capital a boutique investment banking firm and Strategic Turnaround Equity Partners, LP, a fund focused on investments in undervalued public companies. For the past two years he has advised an AI start-up with their organization and structuring for additional financing. He started his finance career as a research analyst for Carter Berlind & Weil. Mr. Lukash is a graduate of the University of Miami with a BA in Finance. Â Mr. Joseph P. Celia, 60, is a technology industry veteran with 30 years of experience with an impressive track record in building strategic partnerships, driving new business initiatives, and penetrating new markets. His dynamic and results-oriented approach in sales leadership within the rapidly evolving tech sector has consistently led to significant achievements. Mr. Celia has held executive and senior-level sales management positions at some of the tech industryâ€™s most respected organizations, including Hewlett Packard, Motorola, 3Com, Symbol Technologies, Bradford Networks, Accton Technology, and FIS Global. Mr. Celia has a BS from Northeastern University in Computer Technology. Â In connection with his appointment, the Board has determined that Mr. Lukash (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1); and (iii) is an â€œaudit committee financial expert,â€ as defined in Item 407(d)(5)(ii) of Regulation S-K. In connection with his appointment, the Board has determined that Mr. Celia (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); and (ii) is an â€œindependent directorâ€ as contemplated by Nasdaq Listing Rule 5605(b)(1). Â There are no arrangements or understandings between any of the new Directors and any other person pursuant to which each was selected as a director, and there have been no transactions since the beginning of the Companyâ€™s last fiscal year, nor are there any currently proposed transactions, regarding the new Directors that are required to be disclosed by Item 404(a) of Regulation S-K promulgated under the Exchange Act. X - ReferencesNo definition available. + Details Name: us-gaap_SubsequentEventsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/855/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Policies) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Use of Estimates Use of Estimates Â The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. On an on-going basis, management evaluates the estimates and judgments, including those related to the selection of useful lives for tangible assets, expected future cash flows from long-lived assets to support impairment tests, the carrying value of goodwill, provisions necessary for accounts receivables and inventory write downs, provisions for legal disputes, and contingencies. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from those estimates under different assumptions and/or conditions. Â Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents Â Cash and cash equivalents are highly liquid investments with original maturities of three months or less. Cash and cash equivalents consist of cash on hand, deposits held on call with banks and investments in money market funds with original maturities of three months or less at the date of acquisition. As of DecemberÂ 31, 2023, the Company has cash and cash equivalents which are restricted of $0.9 million. The restricted cash equivalent was a letter of credit required by the Companyâ€™s lease agreement for the Hood Park facility in Boston, MA. The letter of credit is required for the duration of the lease agreement which commenced in OctoberÂ 2022 and then was terminated in JuneÂ 2024 resulting in the release of the letter of credit in the benefit of the landlord. Â The Company reconciles cash, cash equivalents, restricted cash and restricted cash equivalents reported in the consolidated balance sheets that aggregate to the beginning and ending balances shown in the unaudited condensed consolidated statements of cash flows as follows: Â Schedule of restricted cash and cash equivalents Â Â Â

http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3D -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-3DReference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 30 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147479175/326-30-30-1BReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3C -Publisher FASB -URI https://asc.fasb.org/1943274/2147479106/326-30-50-3CReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147479106/326-30-50-3AReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3D -Publisher FASB -URI https://asc.fasb.org/1943274/2147479106/326-30-50-3DReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 35 -Paragraph 13A -Publisher FASB -URI https://asc.fasb.org/1943274/2147479148/326-30-35-13AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 30 -Paragraph 4A -Publisher FASB -URI https://asc.fasb.org/1943274/2147479391/326-20-30-4AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 35 -Paragraph 7A -Publisher FASB -URI https://asc.fasb.org/1943274/2147479148/326-30-35-7AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-21Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-11Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479106/326-30-50-7Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-17 + Details Name: us-gaap_CreditLossFinancialInstrumentPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for fair value measurements of financial and non-financial assets, liabilities and instruments classified in shareholders' equity. Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities. + ReferencesNo definition available. + Details Name: us-gaap_FairValueMeasurementPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 912 -SubTopic 330 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478411/912-330-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/330/tableOfContentReference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-4Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 6 -Subparagraph (a) -SubTopic 10 -Topic 270 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482989/270-10-45-6 + Details Name: us-gaap_InventoryPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.4 Basis of presentation (Tables) 9 Months Ended Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â Schedule of subsidiaries in consolidation Schedule of subsidiaries in consolidation Â Â Â Â Â Â Â Â Â Â Â Â Country of Â Ownership Interest Â Statements of Operations Company Name Â Incorporation Â Direct Â Indirect Â 2024 Â 2023 Advent Technologies, Inc. Â USA Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies S.A. Â Greece Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies LLC Â USA Â - Â 100% Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 Advent Technologies GmbH Â Germany Â 100% Â - Â 01/01 â€“ 9/30 Â 01/01 â€“ 9/30 X - ReferencesNo definition available. + Details Name: adn_SubsidiariesInConsolidationTableTextBlock Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 45 R34.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Tables) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Schedule of restricted cash and cash equivalents Schedule of restricted cash and cash equivalents Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Cash and cash equivalents Â $ 192 Â Â $ 3,200 Â Restricted cash, current Â Â - Â Â Â 100 Â Restricted cash, non-current Â Â - Â Â Â 750 Â Cash, cash equivalents, restricted cash and restricted cash equivalents Â $ 192 Â Â $ 4,050 Â Schedule of liabilities measured at fair value on recurring basis Schedule of liabilities measured at fair value on recurring basis Â Â Â Â Â Â Â Â Â Â Â Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â $ - Â Â Â $ - Â Â $ - Â Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Â Warrant liability Â $ - Â Â $ - Â Â Â $ - Â Â $ - Â Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Fair Value Â Â Unobservable Inputs (Level 3) Â Assets Â Â Â Â Â Â Â Â Â Available for sale financial asset Â $ - Â Â $ - Â Â Â $ - Â Â $ - Â Â Â Â Â Â Â Â Â Â Â Liabilities Â Â Â Â Â Â Â Â Â Warrant liability Â $ 59 Â Â $ 59 Â Â Â $ 59 Â Â $ 59 Â Schedule of change in fair value of warrant liability Schedule of change in fair value of warrant liability Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Available for Sale Financial Asset Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 326 Â Â $ - Â Â $ 320 Â Estimated fair value of available for sale financial asset acquired Â Â - Â Â Â - Â Â Â - Â Â Â - Â Foreign exchange fluctuations Â Â - Â Â Â (10) Â Â - Â Â Â (4) Change in estimated fair value Â Â - Â Â Â - Â Â Â - Â Â Â - Â Estimated fair value (end of period) Â $ - Â Â $ 316 Â Â $ - Â Â $ 316 Â Â Warrant Liability Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Estimated fair value (beginning of period) Â $ - Â Â $ 177 Â Â $ 59 Â Â $ 998 Â Change in estimated fair value Â Â - Â Â Â 135 Â Â Â (59) Â Â (355) Reclassification of private placement warrants Â Â - Â Â Â (213) Â Â - Â Â Â (545) Estimated fair value (end of period) Â $ - Â Â $ 99 Â Â $ - Â Â $ 99 Â X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of liabilities, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, by class that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). Where the quoted price in an active market for the identical liability is not available, the Level 1 input is the quoted price of an identical liability when traded as an asset. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the fair value measurement of liabilities using significant unobservable inputs (Level 3), a reconciliation of the beginning and ending balances, separately presenting changes attributable to the following: (1) total gains or losses for the period (realized and unrealized), segregating those gains or losses included in earnings (or changes in net assets), and gains or losses recognized in other comprehensive income (loss) and a description of where those gains or losses included in earnings (or changes in net assets) are reported in the statement of income (or activities); (2) purchases, sales, issues, and settlements (each type disclosed separately); and (3) transfers in and transfers out of Level 3 (for example, transfers due to changes in the observability of significant inputs) by class of liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of cash and cash equivalents restricted as to withdrawal or usage. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(1)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 8 -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_ScheduleOfRestrictedCashAndCashEquivalentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.4 Related party disclosures (Tables) 9 Months Ended Sep. 30, 2024 Related Party Transactions [Abstract] Â Schedule of related parties Schedule of related partiesÂ Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024Â Â DecemberÂ 31, 2023Â (Amounts in thousands)Â (Unaudited)Â Â Â Â Due to related partiesÂ Â Â Â Â Â Â Â Vassilios GregoriouÂ $75Â Â $-Â Maria GregoriouÂ Â 50Â Â Â -Â Emory S. De CastroÂ Â 128Â Â Â -Â TotalÂ $253Â Â $-Â X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of related party transactions. Examples of related party transactions include, but are not limited to, transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners and (d) affiliates. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfRelatedPartyTransactionsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.4 Accounts receivable, net (Tables) 9 Months Ended Sep. 30, 2024 Receivables [Abstract] Â Schedule of accounts receivable Schedule of accounts receivable Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accounts receivable from third party customers Â $ 2,142 Â Â $ 348 Â Less: Allowance for credit losses Â Â (1,868) Â Â (285) Accounts receivable, net Â $ 274 Â Â $ 63 Â X - ReferencesNo definition available. + Details Name: us-gaap_ReceivablesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the various types of trade accounts and notes receivable and for each the gross carrying value, allowance, and net carrying value as of the balance sheet date. Presentation is categorized by current, noncurrent and unclassified receivables. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.4 Inventories (Tables) 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â Schedule of inventories Schedule of inventories Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Raw materials and supplies Â $ 4,967 Â Â $ 4,864 Â Work-in-process Â Â 228 Â Â Â 90 Â Finished goods Â Â 264 Â Â Â 259 Â Total Â $ 5,459 Â Â $ 5,213 Â Provision for inventory Â Â (5,362) Â Â (5,018) Total Â $ 97 Â Â $ 195 Â Schedule of changes in provision for slow moving inventory Schedule of changes in provision for slow moving inventory Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â For the Three Months Ended SeptemberÂ 30, 2024 Â Â For the Three Months Ended SeptemberÂ 30, 2023 Â Â For the Nine Months Ended SeptemberÂ 30, 2024 Â Â For the Nine Months Ended SeptemberÂ 30, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Â (Unaudited) Â Balance at beginning of period Â $ (5,175) Â $ (46) Â $ (5,018) Â $ (45) Additions during the period Â Â (11) Â Â (449) Â Â (250) Â Â (449) Exchange differences Â Â (176) Â Â 2 Â Â Â (94) Â Â 1 Â Balance at end of period Â $ (5,362) Â $ (493) Â $ (5,362) Â $ (493) X - ReferencesNo definition available. + Details Name: adn_ChangesInProvisionForSlowMovingInventoryTableTextBlock Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -

Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 210 -SubTopic 10 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483489/210-10-50-1 + Details Name: us-gaap_ScheduleOfInventoryCurrentTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.4 Prepaid expenses and other current assets (Tables) 9 Months Ended Sep. 30, 2024 Prepaid Expenses And Other Current Assets Â Schedule of prepaid expenses Schedule of prepaid expenses Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Prepaid insurance expenses Â $ 410 Â Â $ 155 Â Prepaid research expenses Â Â 13 Â Â Â 36 Â Other prepaid expenses Â Â 125 Â Â Â 27 Â Total Â $ 548 Â Â $ 218 Â Schedule of other current assets Schedule of other current assets Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â VAT receivable Â $ 56 Â Â $ 267 Â Withholding tax Â Â - Â Â Â - Â Grant receivable Â Â 185 Â Â Â 181 Â Purchases under receipt Â Â - Â Â Â 1 Â Guarantees Â Â - Â Â Â - Â Other receivables Â Â 72 Â Â Â 91 Â Accrued sublease income Â Â - Â Â Â 80 Â Accrued interest income Â Â - Â Â Â - Â Total Â $ 313 Â Â $ 620 Â X - ReferencesNo definition available. + Details Name: adn_DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ScheduleOfPrepaidExpenses Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the carrying amounts of other current assets. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfOtherCurrentAssetsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.4 Intangible Assets (Tables) 9 Months Ended Sep. 30, 2024 Goodwill and Intangible Assets Disclosure [Abstract] Â Schedule of intangible assets Schedule of intangible assets Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â As of SeptemberÂ 30, 2024 (Unaudited) Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Finite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Software Â Â 237 Â Â Â (160) Â Â - Â Â Â 77 Â Total intangible assets Â $ 237 Â Â $ (160) Â $ - Â Â $ 77 Â Â Â Â As of DecemberÂ 31, 2023 Â (Amounts in thousands) Â Gross Carrying Amount Â Â Accumulated Amortization Â Â Cumulative Impairment Â Â Net Carrying Amount Â Indefinite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Trade name â€œUltraCellâ€ Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Total indefinite-lived intangible assets Â $ 406 Â Â $ - Â Â $ (406) Â $ - Â Finite-lived intangible assets: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Patents Â Â 21,221 Â Â Â (3,247) Â Â (17,974) Â Â - Â Process know-how (IPR&D) Â Â 2,612 Â Â Â (1,017) Â Â (1,595) Â Â - Â Order backlog Â Â 266 Â Â Â (266) Â Â - Â Â Â - Â Software Â Â 233 Â Â Â (154) Â Â - Â Â Â 79 Â Total finite-lived intangible assets Â $ 24,332 Â Â $ (4,684) Â $ (19,569) Â $ 79 Â Total intangible assets Â $ 24,738 Â Â $ (4,684) Â $ (19,975) Â $ 79 Â Schedule of future amortization expense Schedule of future amortization expense Â Â Â Â (Amounts in thousands) Â Â Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â Â 2024 Â $ 7 Â 2025 Â Â 28 Â 2026 Â Â 42 Â 2027 Â Â - Â 2028 Â Â - Â Thereafter Â Â - Â Total Â $ 77 Â X - ReferencesNo definition available. + Details Name: adn_ScheduleOfIntangibleAssetsTableTextBlock Namespace Prefix: adn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of amortization expense of assets, excluding financial assets, that lack physical substance, having a limited useful life. + ReferencesNo definition available. + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.4 Property, plant and equipment, net (Tables) 9 Months Ended Sep. 30, 2024 Property, Plant and Equipment [Abstract] Â Schedule of property, plant and equipment, net Schedule of property, plant and equipment, net Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Land, Buildings & Leasehold Improvements Â $ 1,014 Â Â $ 12,632 Â Machinery Â Â 6,176 Â Â Â 10,908 Â Equipment Â Â 1,911 Â Â Â 2,591 Â Â Â $ 9,101 Â Â $ 26,131 Â Less: accumulated depreciation Â Â (1,407) Â Â (3,661) Less: impairment Â Â (2,384) Â Â (2,384) Total Â $ 5,310 Â Â $ 20,086 Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.4 Other current liabilities (Tables) 9 Months Ended Sep. 30, 2024 Other Current Liabilities Â Schedule of other current liabilities Schedule of other current liabilities Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses(1) Â $ 563 Â Â $ 653 Â Other short-term payables Â Â 802 Â Â Â 44 Â Taxes and duties payable Â Â 299 Â Â Â 255 Â Provision for unused vacation Â Â 4 Â Â Â 4 Â Social security funds Â Â 108 Â Â Â 70 Â Overtime provision Â Â 9 Â Â Â 9 Â Total Â $ 1,785 Â Â $ 1,035 Â Â Â (1) Accrued expenses are analyzed as follows: Schedule of accrued expenses Schedule of accrued expenses Â Â Â Â Â Â Â Â Â SeptemberÂ 30, 2024 Â Â DecemberÂ 31, 2023 Â (Amounts in thousands) Â (Unaudited) Â Â Â Â Accrued expenses for legal and consulting fees Â $ 243 Â Â $ 219 Â Accrued payroll fees Â Â 39 Â Â Â 139 Â Other accrued expenses Â Â 281 Â Â Â 295 Â Total Â $ 563 Â Â $ 653 Â X - ReferencesNo definition available. + Details Name: adn_DisclosureOtherCurrentLiabilitiesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of other current liabilities. + ReferencesNo definition available. + Details Name: us-gaap_OtherCurrentLiabilitiesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of accrued liabilities. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfAccruedLiabilitiesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.4 Leases (Tables) 9 Months Ended Sep. 30, 2024 Leases Â Schedule of maturities of operating lease liabilities Schedule of maturities of operating lease liabilities Â Â Â Â Â OperatingLeases Â Fiscal Year Ended DecemberÂ 31, Â Â Â Â 2024 Â $ 35 Â 2025 Â Â 140 Â 2026 Â Â 107 Â 2027 Â Â 4 Â 2028 Â Â - Â Thereafter Â Â - Â Total undiscounted lease payments Â $ 286 Â Less: imputed interest Â Â (16) Total discounted lease payments Â $ 270 Â Less: current portion Â Â (111) Long-term lease liabilities Â $ 159 Â X - ReferencesNo definition available. + Details Name: adn_DisclosureLeasesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.4 Stockholdersâ€™ Equity (Tables) 9 Months Ended Sep. 30, 2024 Equity [Abstract] Â Schedule of activities for unvested stock Schedule of activities for unvested stock Â Â Â Â Â Â Â Â Â Number of options Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 57,894 Â Â $ 124.24 Â Vested Â Â (21,920) Â $ 134.19 Â Forfeited Â Â (11,948) Â $ 96.94 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,026 Â Â $ 128.75 Â Schedule of restricted stock units granted Schedule of restricted stock units granted Â Â Â Â Â Â Â Â Â Number ofShares Â Â Weighted Average Grant Date Fair Value Â Unvested as of DecemberÂ 31, 2023 Â Â 67,894 Â Â $ 200.1 Â Vested Â Â (29,503) Â $ 198.95 Â Forfeited Â Â (14,275) Â $ 126.55 Â Unvested as of SeptemberÂ 30, 2024 Â Â 24,116 Â Â $ 244.63 Â X - ReferencesNo definition available. + Details Name: us-gaap_EquityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the number and weighted-average grant date fair value for restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock units that were granted, vested, or forfeited during the year. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 55 R44.htm IDEA: XBRL DOCUMENT v3.24.4 Revenue (Tables) 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â Schedule of revenue Schedule of revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Sales of goods Â $ 128 Â Â $ 112 Â Â $ 1,852 Â Â $ - Â Sales of services Â Â - Â Â Â - Â Â Â 1,668 Â Â Â 222 Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Â The timing of revenue recognition is analyzed as follows: Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Timing of revenue recognition Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Revenue recognized at a point in time Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â Revenue recognized over time Â Â - Â Â Â - Â Â Â - Â Â Â - Â Total revenue from contracts with customers Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â X - DefinitionTabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5 + Details Name: us-gaap_DisaggregationOfRevenueTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 56 R45.htm IDEA: XBRL DOCUMENT v3.24.4 Segment Reporting and Information about Geographical Areas (Tables) 9 Months Ended Sep. 30, 2024 Segment Reporting [Abstract] Â Segment Reporting and Information about Geographical Areas Schedule of revenues, by geographic location Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â North America Â $ 128 Â Â $ 63 Â Â $ 3,052 Â Â $ 173 Â Europe Â Â - Â Â Â 49 Â Â Â 468 Â Â Â 49 Â Asia Â Â - Â Â Â - Â Â Â - Â Â Â - Â Total net sales Â $ 128 Â Â $ 112 Â Â $ 3,520 Â Â $ 222 Â X - DefinitionTabular disclosure of revenue from external customers by geographic areas attributed to the entity's country of domicile and to foreign countries from which the entity derives revenue. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41 + Details Name: us-gaap_RevenueFromExternalCustomersByGeographicAreasTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 57 R46.htm IDEA: XBRL DOCUMENT v3.24.4 Commitments and contingencies (Tables) 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Schedule of contractual obligations Schedule of contractual obligations Â Â Â Â Â Â Â Â Â Â Â Fiscal Year Ended DecemberÂ 31, Â Quantity (pieces) Â Â Quantity (m2) Â Â Price (Amounts in thousands) Â 2024 Â Â 57,600 Â Â Â 6,174 Â Â Â 2,304 Â 2025 Â Â - Â Â Â 8,000 Â Â Â 2,150 Â Total Â Â 57,600 Â Â Â 14,174 Â Â $ 4,454 Â X - DefinitionTabular disclosure of contractual obligation by timing of payment due. Includes, but is not limited to, long-term debt obligation, lease obligation, and purchase obligation. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Regulation S-X (SX) -Number 210 -Section 12 -Subsection 04 -Subparagraph (a) -Publisher SECReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: srt_ContractualObligationFiscalYearMaturityScheduleTableTextBlock Namespace Prefix: srt_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 58 R47.htm IDEA: XBRL DOCUMENT v3.24.4 Net loss per share (Tables) 9 Months Ended Sep. 30, 2024 Net loss per share Â Schedule of computation of basic and diluted net loss per share Schedule of computation of basic and diluted net loss per share Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three Months Ended SeptemberÂ 30, (Unaudited) Â Â Nine Months Ended SeptemberÂ 30, (Unaudited) Â (Amounts in thousands, except share and per share amounts) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Numerator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss from continuing operations Â $ (9,615) Â $ (9,891) Â $ (29,244) Â $ (26,530) Net loss from discontinued operations Â $ (8,907) Â $ (1,955) Â $ (9,907) Â $ (19,135) Net loss Â $ (18,522) Â $ (11,846) Â $ (39,151) Â $ (45,665) Denominator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic weighted average number of shares Â Â 2,636,508 Â Â Â 2,012,382 Â Â Â 2,618,601 Â Â Â 1,843,154 Â Net loss per share: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic loss per share from continuing operations Â $ (3.65) Â $ (4.92) Â $ (11.17) Â $ (14.39) Basic loss per share from discontinued operations Â $ (3.38) Â $ (0.97) Â $ (3.78) Â $ (10.38) Basic loss per share Â $ (7.03) Â $ (5.89) Â $ (14.95) Â $ (24.78) Diluted loss per share from continuing operations Â $ (3.65) Â $ (4.92) Â $ (11.17) Â $ (14.39) Diluted loss per share from discontinued operations Â $ (3.38) Â $ (0.97) Â $ (3.78) Â $ (10.38) Diluted loss per share Â $ (7.03) Â $ (5.89) Â $ (14.95) Â $ (24.78) X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 59 R48.htm IDEA: XBRL DOCUMENT v3.24.4 Discontinued Operations (Tables) 9 Months Ended Sep. 30, 2024 Discontinued Operations and Disposal Groups [Abstract] Â Schedule of condensed consolidated balance sheet Schedule of condensed consolidated balance sheet Â Â Â Â (Amounts in thousands) Â DecemberÂ 31, 2023 Â Assets Â Â Â Â Cash and cash equivalents Â $ 362 Â Accounts receivable, net Â Â 128 Â Contract assets Â Â 12 Â Inventories, net Â Â 2,512 Â Prepaid expenses and other current assets Â Â 1,416 Â Property, plant and equipment, net Â Â 1,463 Â Right-of-use assets Â Â 59 Â Other non-current assets Â Â 66 Â Total Assets Â $ 6,018 Â Â Â Â Â Â Â Â (Amounts in thousands) Â DecemberÂ 31, 2023 Â Liabilities Â Â Â Â Trade payables Â $ 1,091 Â Deferred income from grants, current Â Â 7 Â Contract liabilities Â Â 1,601 Â Other current liabilities Â Â 881 Â Operating lease liabilities Â Â 48 Â Lease liabilities â€“ long-term Â Â 12 Â Other long-term liabilities Â Â 683 Â Total Liabilities Â $ 4,323 Â Schedule of operating results for the discontinued entities Schedule of operating results for the discontinued entities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Three months ended SeptemberÂ 30,(Unaudited) Â Â Nine months ended SeptemberÂ 30,(Unaudited) Â (Amounts

in USD in thousands) Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Revenue, net Â $ (135) Â $ 1,152 Â Â $ 728 Â Â $ 3,131 Â Cost of revenues Â Â (102) Â Â (1,649) Â Â (716) Â Â (4,509) Gross profit / (loss) Â Â (237) Â Â (497) Â Â 12 Â Â Â (1,378) Income from grants Â Â (541) Â Â 254 Â Â Â 310 Â Â Â 902 Â Research and development expenses Â Â - Â Â Â (934) Â Â - Â Â Â (3,410) Administrative and selling expenses Â Â (2,067) Â Â (916) Â Â (4,167) Â Â (14,951) Credit loss â€“ customer contracts Â Â - Â Â Â 67 Â Â Â - Â Â Â - Â Operating loss Â Â (2,845) Â Â (2,026) Â Â (3,845) Â Â (18,837) Finance income / (expenses), net Â Â - Â Â Â 72 Â Â Â - Â Â Â 640 Â Foreign exchange gains / (losses), net Â Â - Â Â Â 10 Â Â Â - Â Â Â (1) Other income / (expenses), net Â Â - Â Â Â (11) Â Â - Â Â Â (13) Net assets / (liabilities) â€“ Advent Technologies A/S and Advent Green Energy Philippines, Inc. Â Â 6,278 Â Â Â - Â Â Â 6,278 Â Â Â - Â Payable to Advent Technologies A/S Â Â (12,340)Â Â Â Â Â Â Â (12,340)Â Â Â - Â Loss before income tax Â Â (8,907) Â Â (1,954) Â Â (9,907) Â Â (18,211) Income taxes Â Â - Â Â Â (1) Â Â - Â Â Â (924) Net loss Â $ (8,907) Â $ (1,955) Â $ (9,907) Â $ (19,135) X - DefinitionTabular disclosure of condensed balance sheet, including, but not limited to, balance sheets of consolidated entities and consolidation eliminations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Regulation S-X (SX) -Number 210 -Section 12 -Subsection 04 -Paragraph a -Publisher SECReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: srt_ScheduleOfCondensedBalanceSheetTableTextBlock Namespace Prefix: srt_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DiscontinuedOperationsAndDisposalGroupsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning-of-the-year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-9 + Details Name: us-gaap_ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 60 R49.htm IDEA: XBRL DOCUMENT v3.24.4 Basis of presentation (Details) Pure in Thousands 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Advent Technologies Inc. [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Company Name Advent Technologies, Inc. Â Country of Incorporation USA Â Statements of Operations date 01/01 â€“ 9/30 01/01 â€“ 9/30 Advent Technologies Inc. [Member] | Direct Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest 100.00% Â Advent Technologies Inc. [Member] | Indirect Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest Â Advent Technologies S.A. [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Company Name Advent Technologies S.A. Â Country of Incorporation Greece Â Statements of Operations date 01/01 â€“ 9/30 01/01 â€“ 9/30 Advent Technologies S.A. [Member] | Direct Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest Â Advent Technologies S.A. [Member] | Indirect Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest 100.00% Â Advent Technologies LLC [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Company Name Advent Technologies LLC Â Country of Incorporation USA Â Statements of Operations date 01/01 â€“ 9/30 01/01 â€“ 9/30 Advent Technologies LLC [Member] | Direct Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest Â Advent Technologies LLC [Member] | Indirect Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest 100.00% Â Advent Technologies GmbH [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Company Name Advent Technologies GmbH Â Country of Incorporation Germany Â Statements of Operations date 01/01 â€“ 9/30 01/01 â€“ 9/30 Advent Technologies GmbH [Member] | Direct Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest 100.00% Â Advent Technologies GmbH [Member] | Indirect Ownership [Member] Â Â Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items] Â Â Ownership Interest Â X - DefinitionName of entity owned or controlled by another entity. + ReferencesNo definition available. + Details Name: adn_NameOfSubsidiary Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionOwnership interest in subsidiary. + ReferencesNo definition available. + Details Name: adn_OwnershipPercentageInSubsdaries Namespace Prefix: adn_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_StatementsOfOperationsDate Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionInformation of place of incorporation of the entity. + ReferencesNo definition available. + Details Name: adn_SubsidiaryPlaceOfIncorporation Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestEffectsOfChangesNetLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidatedEntitiesAxis=adn_AdventTechnologiesIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_OwnershipAxis=adn_DirectOwnershipMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_OwnershipAxis=adn_IndirectOwnershipMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidatedEntitiesAxis=adn_AdventTechnologiesSAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidatedEntitiesAxis=adn_AdventTechnologiesLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidatedEntitiesAxis=adn_AdventTechnologiesGmbHMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 61 R50.htm IDEA: XBRL DOCUMENT v3.24.4 Basis of presentation (Details Narrative) - USD ($) $ / shares in Units, $ in Thousands 9 Months Ended Sep. 30, 2024 Sep. 25, 2024 Dec. 31, 2023 Sep. 30, 2023 Feb. 04, 2021 Restructuring Cost and Reserve [Line Items] Â Â Â Â Â Common stock, par value (in dollars per share) $ 0.0001 Â $ 0.0001 Â Â Net cash used in operating activities $ 3,088 Â Â Â Â Negative net working capital 23,000 Â Â Â Â Cash and cash equivalents 192 Â $ 3,200 $ 3,661 Â Cash Equivalents [Member] Â Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Â Cash and cash equivalents $ 200 $ 500 Â Â Â AMCI Acquisition Corp [Member] Â Â Â Â Â Restructuring Cost and Reserve [Line Items] Â Â Â Â Â Acquired percentage Â Â Â Â 100.00% Common stock, par value (in dollars per share) Â Â Â Â Â $ 0.0001 X - ReferencesNo definition available. + Details Name: adn_NegativeNetWorkingCapital Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPercentage of voting equity interests acquired at the acquisition date in the business combination. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 805 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479328/805-10-50-2 + Details Name: us-gaap_BusinessAcquisitionPercentageOfVotingInterestsAcquired Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionAmount of cash inflow (outflow) from operating activities, excluding discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25 + Details Name: us-gaap_NetCashProvidedByUsedInOperatingActivitiesContinuingOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.P.4.b.2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479823/420-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1 + Details Name: us-gaap_RestructuringCostAndReserveLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_CashEquivalentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BusinessAcquisitionAxis=adn_AMCIAcquisitionCorpMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 62 R51.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Sep. 30, 2023 Dec. 31, 2022 Accounting Policies [Abstract] Â Â Â Â Cash and cash equivalents $ 192 $ 3,200 $ 3,661 Â Restricted cash, current 100 2,018 Â Restricted cash, non-current 750 Â Â Cash, cash equivalents, restricted cash and restricted cash equivalents $ 192 $ 4,050 $ 6,429 $ 33,619 X - ReferencesNo definition available. + Details Name: us-gaap_AccountingPoliciesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage. Excludes amount for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 24 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-24Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as noncurrent. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 5 -SubTopic 210 -Topic 954 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477220/954-210-45-5Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 63 R52.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Details 1) - Fair Value, Recurring [Member] - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Assets Liabilities 59 Fair Value, Inputs, Level 3 [Member] Â Â Fair Value, Liabilities Measured on Recurring Basis, Unobservable

Input Reconciliation [Line Items] Â Â Assets Liabilities 59 Derivative Financial Instruments, Assets [Member] Â Â Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Assets Derivative Financial Instruments, Assets [Member] | Fair Value, Inputs, Level 3 [Member] Â Â Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Assets Derivative Financial Instruments, Liabilities [Member] Â Â Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Liabilities 59 Derivative Financial Instruments, Liabilities [Member] | Fair Value, Inputs, Level 3 [Member] Â Â Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Liabilities $ 59 X - DefinitionFair value portion of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_AssetsFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFair value of financial and nonfinancial obligations. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_LiabilitiesFairValueDisclosure Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_FairValueByMeasurementFrequencyAxis=us-gaap_FairValueMeasurementsRecurringMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByFairValueHierarchyLevelAxis=us-gaap_FairValueInputsLevel3Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByLiabilityClassAxis=us-gaap_DerivativeFinancialInstrumentsAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByLiabilityClassAxis=us-gaap_DerivativeFinancialInstrumentsLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 64 R53.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Details 2) - Derivative Financial Instruments, Liabilities [Member] - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items] Â Â Â Â Estimated fair value at beginning balance $ 326 $ 320 Estimated fair value of available for sale financial asset acquired Foreign exchange fluctuations (10) (4) Change in estimated fair value Estimated fair value at ending balance 316 316 Estimated fair value at beginning balance 177 59 998 Change in estimated fair value 135 (59) (355) Reclassification of private placement warrants (213) (545) Estimated fair value at ending balance $ 99 $ 99 X - ReferencesNo definition available. + Details Name: adn_EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ReclassificationOfPrivatePlacementWarrants Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of gain (loss) recognized in income from asset measured at fair value on recurring basis using unobservable input (level 3). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 101 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-101Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 102 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-102Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionFair value of financial instrument classified as an asset measured using unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 101 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-101Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of gain (loss) recognized in income from liability measured at fair value on recurring basis using unobservable input (level 3). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionFair value of financial instrument classified as a liability measured using unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_FairValueByLiabilityClassAxis=us-gaap_DerivativeFinancialInstrumentsLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 65 R54.htm IDEA: XBRL DOCUMENT v3.24.4 Summary of Significant Accounting Policies (Details Narrative) $ / shares in Units, â,¬ in Thousands, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 USD ($) $ / shares Sep. 30, 2023 USD ($) Sep. 30, 2024 USD ($) $ / shares shares Sep. 30, 2023 USD ($) Dec. 31, 2023 USD ($) May 25, 2022 EUR (â,¬) Debt Instrument [Line Items] Â Â Â Â Â Â Â Restricted cash and cash equivalents | $ Â Â Â Â Â $ 900 Â Credit Losses | $ $ 4,300 Â $ 4,300 Â Â Â Â Interest income | $ $ 7 $ 6 21 $ 19 Â Â Investor [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Non-interest bearing loan | $ Â Â Â $ 400 Â Â Â Working Capital Warrants [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Warrants issued (in shares) | shares Â Â 13,333 Â Â Â Â Private Placement Warrant [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Warrants issued (in shares) | shares Â Â 734,309 Â Â Â Exercise price (in dollars per share) | $ / shares $ 345.00 Â $ 345.00 Â Â Â Common Stock [Member] | Working Capital Warrants [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Exercise price (in dollars per share) | $ / shares 345.00 Â 345.00 Â Â Â Common Stock [Member] | Private Placement Warrant [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Exercise price (in dollars per share) | $ / shares 345.00 Â $ 345.00 Â Â Â Derivative Financial Instruments, Liabilities [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Warrants issued (in shares) | shares Â Â 131,343 Â Â Â Derivative Financial Instruments, Liabilities [Member] | Common Stock [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Exercise price (in dollars per share) | $ / shares $ 345.00 Â $ 345.00 Â Â Â Convertible Bond Loan [Member] Â Â Â Â Â Â Â Debt Instrument [Line Items] Â Â Â Â Â Â Â Debt carrying amount | â,¬ Â Â Â Â Â Â â,¬ 1,000 Debt offered amount | â,¬ Â Â Â Â Â Â â,¬ 300 Annual interest rate Â Â Â Â Â Â 8.00% Overdue interest rate Â Â Â Â Â Â 2.50% X - DefinitionNumber of warrants or rights issued during the period. + ReferencesNo definition available. + Details Name: adn_ClassOfWarrantOrRightIssued Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: adn_DebtInstrumentInterestRateOverdue Namespace Prefix: adn_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_DebtInstrumentOfferedAmount Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe amount of obligations incurred and payable to vendors that bear interest at either a stated or an imputed rate. + ReferencesNo definition available. + Details Name: adn_NonInterestBearingLoan Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of allowance for credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionEffective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-6 + Details Name: us-gaap_DebtInstrumentInterestRateEffectivePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -

Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of interest income and other income recognized during the period. Included in this element is interest derived from investments in debt securities, cash and cash equivalents, and other investments which reflect the time value of money or transactions in which the payments are for the use or forbearance of money and other income from ancillary business-related activities (that is, excluding major activities considered part of the normal operations of the business). + ReferencesNo definition available. + Details Name: us-gaap_InterestAndOtherIncome Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash and cash equivalents restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_RestrictedCashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=us-gaap_InvestorMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=adn_WorkingCapitalWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=adn_PrivatePlacementWarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementEquityComponentsAxis=us-gaap_CommonStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FairValueByLiabilityClassAxis=us-gaap_DerivativeFinancialInstrumentsLiabilitiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=adn_ConvertibleBondLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 66 R55.htm IDEA: XBRL DOCUMENT v3.24.4 Related party disclosures (Details) - USD ($) $ in Thousands Dec. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Related Party Transaction [Line Items] Â Â Â Due to related parties Â $ 253 Vassilios Gregoriou [Member] Â Â Â Related Party Transaction [Line Items] Â Â Â Due to related parties Â 75 Maria Gregoriou [Member] Â Â Â Related Party Transaction [Line Items] Â Â Â Due to related parties Â 50 Emory S. De Castro [Member] Â Â Â Related Party Transaction [Line Items] Â Â Â Due to related parties $ 128 Â X - ReferencesNo definition available. + Details Name: adn_DueToRelatedParties Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=adn_VassiliosGregoriouMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=adn_MariaGregoriouMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=adn_EmorySDeCastroMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 67 R56.htm IDEA: XBRL DOCUMENT v3.24.4 Related party disclosures (Details Narrative) 9 Months Ended Sep. 30, 2024 Related Party Transactions [Abstract] Â Interest rate 5.00% X - DefinitionIdentify the stated interest rate per the agreement, for example, leasing and debt arrangements between related parties. + ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 68 R57.htm IDEA: XBRL DOCUMENT v3.24.4 Accounts receivable, net (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Receivables [Abstract] Â Â Accounts receivable from third party customers $ 2,142 $ 348 Less: Allowance for credit losses (1,868) (285) Accounts receivable, net $ 274 $ 63 X - DefinitionAmount, before allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1 + Details Name: us-gaap_AccountsReceivableGrossCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of allowance for credit loss on accounts receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479344/326-20-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481962/310-10-50-4 + Details Name: us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ReceivablesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 69 R58.htm IDEA: XBRL DOCUMENT v3.24.4 Inventories (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â Raw materials and supplies $ 4,967 $ 4,864 Work-in-process 228 90 Finished goods 264 259 Total 5,459 5,213 Provision for inventory (5,362) (5,018) Total $ 97 $ 195 X - ReferencesNo definition available. + Details Name: adn_ProvisionForInventory Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryFinishedGoods Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionGross amount, as of the balance sheet date, of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionGross amount of unprocessed materials to be used in manufacturing or production process and supplies that will be consumed. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterialsAndSupplies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)(a)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryWorkInProcess Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 70 R59.htm IDEA: XBRL DOCUMENT v3.24.4 Inventories (Details 1) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Inventory Disclosure [Abstract] Â Â Â Â Balance at beginning of year $ (5,175) $ (46) $ (5,018) $ (45) Additions (11) (449) (250) (449) Foreign exchange fluctuations (176) 2 (94) 1 Balance at end of year $ (5,362) $ (493) $ (5,362) $ (493) X - DefinitionAmount of changes in the provision for slow moving inventory. + ReferencesNo definition available. + Details Name: adn_ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ProvisionForSlowMovingInventoryAdditions Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_ProvisionForSlowMovingInventoryForeignExchangeFluctuations Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 71 R60.htm IDEA: XBRL DOCUMENT v3.24.4 Prepaid expenses and other current assets (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Prepaid Expenses And Other Current Assets Â Â Prepaid insurance expenses $ 410 $ 155 Prepaid research expenses 13 36 Other prepaid expenses 125 27 Total $ 548 $ 218 X -

ReferencesNo definition available. + Details Name: adn_DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of asset related to consideration paid in advance for research that provides economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesNo definition available. + Details Name: adn_PrepaidResearch Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for other costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1 + Details Name: us-gaap_OtherPrepaidExpenseCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1 + Details Name: us-gaap_PrepaidExpenseCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for insurance that provides economic benefits within a future period of one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483032/340-10-45-1Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 340 -SubTopic 10 -Name Accounting Standards Codification -Section 05 -Paragraph 5 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482955/340-10-05-5 + Details Name: us-gaap_PrepaidInsurance Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 72 R61.htm IDEA: XBRL DOCUMENT v3.24.4 Prepaid expenses and other current assets (Details 1) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Prepaid Expenses And Other Current Assets Â Â VAT receivable $ 56 $ 267 Withholding tax Grant receivable 185 181 Purchases under receipt 1 Guarantees Other receivables 72 91 Accrued sublease income 80 Accrued interest income Total $ 313 $ 620 X - ReferencesNo definition available. + Details Name: adn_AccruedInterestIncome Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_AccruedSubleaseIncome Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying amount as of the balance sheet date of guarantees due either from customers arising from sales on credit terms, or as previously overpaid to tax authorities. + ReferencesNo definition available. + Details Name: adn_Guarantees Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of balance sheet date of guarantees paid to vendors. + ReferencesNo definition available. + Details Name: adn_PurchasesUnderReceipt Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of withholding tax due either from customers arising from sales on credit terms, or as previously overpaid to tax authorities. + ReferencesNo definition available. + Details Name: adn_WithholdingTax Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of amounts due under the terms of governmental, corporate, or foundation grants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_GrantsReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of current assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, before allowance, of receivables classified as other, due within one year or the operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherReceivablesGrossCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount as of the balance sheet date of value added taxes due either from customers arising from sales on credit terms, or as previously overpaid to tax authorities. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_ValueAddedTaxReceivable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 73 R62.htm IDEA: XBRL DOCUMENT v3.24.4 Intangible Assets (Details) - USD ($) $ in Thousands 12 Months Ended Dec. 31, 2023 Sep. 30, 2024 Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount $ 24,332 Â Accumulated Amortization (4,684) Â Cumulative Impairment on intangible assets (19,975) Â Net Carrying Amount 79 Â Gross Carrying Amount 24,738 $ 237 Accumulated Amortization (4,684) (160) Cumulative Impairment (19,569) Net Carrying Amount 79 77 Indefinite-lived intangible assets 406 Â Total indefinite-lived intangible assets, Cumulative Impairment (406) Â Ultra Cell LLC [Member] | Trade Names [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Indefinite-lived intangible assets 406 Â Total indefinite-lived intangible assets, Cumulative Impairment (406) Â Computer Software, Intangible Asset [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount 233 237 Accumulated Amortization (154) (160) Cumulative Impairment on intangible assets Â Net Carrying Amount 79 $ 77 Cumulative Impairment Â Patents [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount 21,221 Â Accumulated Amortization (3,247) Â Net Carrying Amount Â Cumulative Impairment (17,974) Â In Process Research and Development [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount 2,612 Â Accumulated Amortization (1,017) Â Net Carrying Amount Â Cumulative Impairment (1,595) Â Order or Production Backlog [Member] Â Â Finite-Lived Intangible Assets [Line Items] Â Â Gross Carrying Amount 266 Â Accumulated Amortization (266) Â Net Carrying Amount Â Cumulative Impairment Â X - ReferencesNo definition available. + Details Name: adn_CumulativeImpairment Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_CumulativeImpairmentOnIntangibleAssets Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ImpairmentOfIntangibleAssetIndefinitelivedExcludingGoodwill Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAccumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 10 -Name Accounting Standards Codification -Section S45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480265/350-10-S45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 928 -SubTopic 340 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478859/928-340-50-1 + Details Name: us-gaap_FiniteLivedIntangibleAssetsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of increase in assets, excluding financial assets and goodwill, lacking physical substance with an indefinite life, from an acquisition. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2 + Details Name: us-gaap_IndefinitelivedIntangibleAssetsAcquired Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount before accumulated amortization of intangible assets, excluding goodwill. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_IntangibleAssetsGrossExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionSum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1 + Details Name: us-gaap_IntangibleAssetsNetExcludingGoodwill Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_BusinessAcquisitionAxis=adn_UltraCellLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IndefiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_TradeNamesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_ComputerSoftwareIntangibleAssetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_PatentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_InProcessResearchAndDevelopmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis=us-gaap_OrderOrProductionBacklogMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 74 R63.htm IDEA: XBRL DOCUMENT v3.24.4 Intangible Assets (Details 1) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Change in Accounting Estimate [Line Items] Â Â Total Â $ 79 Intangible Assets, Amortization Period [Member] Â Â Change in Accounting Estimate [Line Items] Â Â 2024 $ 7 Â 2025 28 Â 2026 42 Â 2027 Â 2028 Â Thereafter Â Total $ 77 Â X - DefinitionAmount of amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: adn_FiniteLivedIntangibleAssetExpectedAmortizationAfterYearFour Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4 + Details Name: us-gaap_ChangeInAccountingEstimateLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -

Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2 + Details Name: us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 926 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483154/926-20-50-5 + Details Name: us-gaap_FiniteLivedIntangibleAssetsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_ChangeInAccountingEstimateByTypeAxis=us-gaap_IntangibleAssetsAmortizationPeriodMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 75 R64.htm IDEA: XBRL DOCUMENT v3.24.4 Intangible Assets (Details Narrative) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Impairment Effects on Earnings Per Share [Line Items] Â Â Â Â Amortization of intangible assets $ 1 $ 117 $ 3 $ 526 Finite-Lived Intangible Assets [Member] Â Â Â Â Impairment Effects on Earnings Per Share [Line Items] Â Â Â Â Amortization of intangible assets $ 0 $ 100 $ 2 $ 500 X - DefinitionThe aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482640/350-30-55-40Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-2 + Details Name: us-gaap_AmortizationOfIntangibleAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_ImpairmentEffectsOnEarningsPerShareLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_FairValueByAssetClassAxis=us-gaap_FiniteLivedIntangibleAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 76 R65.htm IDEA: XBRL DOCUMENT v3.24.4 Property, plant and equipment, net (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 9,101 $ 26,131 Less: accumulated depreciation (1,407) (3,661) Less: cumulative impairment (2,384) (2,384) Total 5,310 20,086 Land, Buildings and Improvements [Member] Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross 1,014 12,632 Machinery [Member] Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross 6,176 10,908 Equipment [Member] Â Â Property, Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 1,911 $ 2,591 X - ReferencesNo definition available. + Details Name: adn_LessCumulativeImpairment Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A + Details Name: us-gaap_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LandBuildingsAndImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=adn_MachineryMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_EquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 77 R66.htm IDEA: XBRL DOCUMENT v3.24.4 Property, plant and equipment, net (Details Narrative) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended May 07, 2024 Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Addition to property and equipment Â $ 0 $ 5,100 $ 28 $ 9,000 Â Proceeds from sale of property and equipment Â Â Â 900 Â Â Loss on disposition of assets Â Â Â 12,700 Â Â Plant and machinery description On MayÂ 7, 2024, the Company entered into an agreement to sell some of its coating machines (part of its property, plant and equipment) from the Hood Park facility for $0.9 million resulting in a loss of $2.5 million. On MayÂ 8, 2024, the Company received an initial deposit of $0.3 million and the remaining $0.6 million in JulyÂ 2024. The remaining machinery and equipment from Hood Park were relocated and is planned for use at the Companyâ€™s other locations. Â Â Â Â Depreciation expense Â 200 $ 900 1,157 $ 1,596 Â Hood Park [Member] Â Â Â Â Â Â Letter of credit Â 750 Â 750 Â Â Leasehold improvements Â 9,800 Â 9,800 Â $ 10,400 Furniture forfeited Â $ 500 Â $ 500 Â $ 500 X - ReferencesNo definition available. + Details Name: adn_FurnitureForfeited Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_SellOfPropertyPlantAndEquipmentDescription Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) on sale or disposal of other assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_GainLossOnSaleOfOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount before accumulated depreciation of additions or improvements to assets held under a lease arrangement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_LeaseholdImprovementsGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_LineOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of cash inflow for the sale of long-lived, physical assets used to produce goods and services and not intended for resale, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 12 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-12 + Details Name: us-gaap_ProceedsFromSaleOfOtherPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of acquisition of long-lived, physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment. + ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAdditions Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_TitleOfIndividualAxis=adn_HoodParkMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 78 R67.htm IDEA: XBRL DOCUMENT v3.24.4 Other non-current assets (Details Narrative) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Other Assets, Noncurrent $ 239 $ 242 Suppliers [Member] Â Â Other Assets, Noncurrent $ 200 $ 200 X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards

Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: srt_TitleOfIndividualAxis=adn_SuppliersMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 79 R68.htm IDEA: XBRL DOCUMENT v3.24.4 Trade and other payables (Details Narrative) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Payables and Accruals [Abstract] Â Â Â Â Trade and other payables $ 16,420 $ 16,420 Â $ 3,996 Increase in trade and other payables $ 11,600 $ 12,117 $ (5,244) Â X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionChange in recurring obligations of a business that arise from the acquisition of merchandise, materials, supplies and services used in the production and sale of goods and services. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInAccountsPayableTrade Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_PayablesAndAccrualsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 80 R69.htm IDEA: XBRL DOCUMENT v3.24.4 Other current liabilities (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Other Current Liabilities Â Â Accrued expenses [1] $ 563 $ 653 Other short-term payables 802 44 Taxes and duties payable 299 255 Provision for unused vacation 4 4 Social security funds 108 70 Overtime provision 9 9 Total $ 1,785 $ 1,035 [1] Accrued expenses are analyzed as follows: X - ReferencesNo definition available. + Details Name: adn_DisclosureOtherCurrentLiabilitiesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of overtime provision. + ReferencesNo definition available. + Details Name: adn_OtherCurrentLiabilitiesOvertimeProvision Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of social security funds + ReferencesNo definition available. + Details Name: adn_OtherCurrentLiabilitiesSocialSecurityFunds Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to short term payables. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesNo definition available. + Details Name: adn_OtherShortTermPayablesCurrent Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid nor invoiced, and liabilities classified as other. + ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesAndOtherLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for unused vacation time owed to employees based on the entity's vacation benefit given to its employees. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 710 -SubTopic 10 -Section 25 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483070/710-10-25-3 + Details Name: us-gaap_AccruedVacationCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real, property and other taxes. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_TaxesPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 81 R70.htm IDEA: XBRL DOCUMENT v3.24.4 Other current liabilities (Details 1) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Other Current Liabilities Â Â Accrued expenses for legal and consulting fees $ 243 $ 219 Accrued payroll fees 39 139 Other accrued expenses 281 295 Total $ 563 $ 653 X - ReferencesNo definition available. + Details Name: adn_DisclosureOtherCurrentLiabilitiesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable, pertaining to costs that are statutory in nature, are incurred on contractual obligations, or accumulate over time and for which invoices have not yet been received or will not be rendered. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred and payable for statutory payroll taxes incurred through that date and withheld from employees pertaining to services received from them, including entity's matching share of the employees FICA taxes and contributions to the state and federal unemployment insurance programs. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedPayrollTaxesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccruedProfessionalFeesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 82 R71.htm IDEA: XBRL DOCUMENT v3.24.4 Leases (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Leases Â Â 2024 $ 35 Â 2025 140 Â 2026 107 Â 2027 4 Â 2028 Â Thereafter Â Total undiscounted lease payments 286 Â Less: imputed interest (16) Â Total discounted lease payments 270 Â Less: current portion (111) $ (2,138) Long-term lease liabilities $ 159 Â X - ReferencesNo definition available. + Details Name: adn_DisclosureLeasesAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease due after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFive Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 83 R72.htm IDEA: XBRL DOCUMENT v3.24.4 Leases (Details Narrative) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 USD ($) Sep. 30, 2023 USD ($) Sep. 30, 2024 USD ($) Sep. 30, 2023 USD ($) Dec. 31, 2023 USD ($) Jan. 09, 2023 USD ($) ftÂ² Mar. 08, 2021 USD ($) ftÂ² Feb. 05, 2021 USD ($) ftÂ² Area of leased space | ftÂ² Â Â Â Â 6,041 21,401 6,041 Annual rent Â Â Â Â Â $ 600 $ 1,500 $ 500 Lease contract term Â Â Â Â Â Â 8 years 6 months 5 years Security deposit Â Â Â Â Â Â $ 800 Â Rent income $ 0 $ 100 $ 100 Â Â Â Â Term of option to extend lease Â Â Â Â Â Â 5 years Â Rental expense 0 300 4,700 1,700 Â Â Â Â Short-term leases 0 $ 300 10 $ 400 Â Â Â Â Right-of-use assets 279 Â 279 Â $ 3,157 Â Â Â Hood Park [Member] Â Â Â Â Â Â Â Â Long-Term Line of Credit 750 Â 750 Â Â Â Â Â Â Other Noncurrent Assets [Member] Â Â Â Â Â Â Â Â Security deposit $ 100 Â $ 100 Â $ 100 Â Â Â X - ReferencesNo definition available. + Details Name: adn_RentalExpense Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionArea of a real estate property. + ReferencesNo definition available. + Details Name: us-gaap_AreaOfRealEstateProperty Namespace Prefix: us-gaap_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - DefinitionAmount equal to the present value (the principal) at the beginning of the lease term of minimum lease payments during the lease term (excluding that portion of the payments representing executory costs such as insurance, maintenance, and taxes to be paid by the lessor, together with any profit thereon) net of payments or other amounts applied to the principal through the balance sheet date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481161/840-30-50-1Reference 3: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_CapitalLeaseObligations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionTerm of lessee's operating lease renewal, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseRenewalTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionTerm of lessee's operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -

Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeOperatingLeaseTermOfContract Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionThe carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_LineOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionIncome earned by providing the use of assets to an outside party in exchange for a payment or series of payments that is nonoperating in nature. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_RentalIncomeNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of an asset, typically cash, provided to a counterparty to provide certain assurance of performance by the entity pursuant to the terms of a written or oral agreement, such as a lease. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_SecurityDeposit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of short-term lease cost, excluding expense for lease with term of one month or less. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_ShortTermLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: srt_TitleOfIndividualAxis=adn_HoodParkMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_BalanceSheetLocationAxis=us-gaap_OtherNoncurrentAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 84 R73.htm IDEA: XBRL DOCUMENT v3.24.4 Private Placement Warrants and Working Capital Warrants (Details Narrative) - $ / shares 9 Months Ended Sep. 30, 2024 Dec. 31, 2023 Private Placement Warrant [Member] Â Â Class of Warrant or Right [Line Items] Â Â Warrants issued 734,309 Â Warrants outstanding 65,671 65,671 Number of shares called by each warrant 1 Â Exercise price $ 345.00 Â Warrants expiration period 5 years Â Private Placement Warrant [Member] | IPO [Member] Â Â Class of Warrant or Right [Line Items] Â Â Warrants issued 131,343 Â Working Capital Warrants [Member] Â Â Class of Warrant or Right [Line Items] Â Â Warrants issued 13,333 Â Period to exercise warrants after business combination 30 days Â Period not to transfer, assign or sell warrants 30 days Â X - DefinitionNumber of warrants or rights issued during the period. + ReferencesNo definition available. + Details Name: adn_ClassOfWarrantOrRightIssued Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionPeriod, that management agreed not to transfer, assign or sell any of warrants subject to limited exceptions in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: adn_PeriodNotToTransferAssignOrSellWarrants Namespace Prefix: adn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionPeriod after the completion of a business combination when warrants will become exercisable, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: adn_PeriodToExerciseWarrantsAfterBusinessCombination Namespace Prefix: adn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of securities into which each warrant or right may be converted. For example, but not limited to, each warrant may be converted into two shares. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByEachWarrantOrRight Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of warrants or rights outstanding. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPeriod between issuance and expiration of outstanding warrant and right embodying unconditional obligation requiring redemption by transferring asset at specified or determinable date or upon event certain to occur, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_WarrantsAndRightsOutstandingTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=adn_PrivatePlacementWarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=us-gaap_IPOMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=adn_WorkingCapitalWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 85 R74.htm IDEA: XBRL DOCUMENT v3.24.4 Stockholders Equity (Details) - Share-Based Payment Arrangement, Option [Member] 9 Months Ended Sep. 30, 2024 $ / shares shares Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Number of options unvested at beginning | shares 57,894 Weighted average grant date fair value unvested at beginning | $ / shares $ 124.24 Number of options vested | shares (21,920) Weighted average grant date fair value, vested | $ / shares $ 134.19 Number of options forfeited | shares (11,948) Weighted average grant date fair value, forfeited | $ / shares $ 96.94 Number of options unvested at end | shares 24,026 Weighted average grant date fair value unvested at end | $ / shares $ 128.75 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of non-vested options outstanding. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of non-vested options forfeited. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedNumberOfShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average grant-date fair value of non-vested options forfeited. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average grant-date fair value of non-vested options outstanding. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionNumber of options vested. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedNumberOfShares Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average grant-date fair value of options vested. + ReferencesNo definition available. + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 86 R75.htm IDEA: XBRL DOCUMENT v3.24.4 Stockholders Equity (Details 1) - Restricted Stock Units (RSUs) [Member] 9 Months Ended Sep. 30, 2024 $ / shares shares Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Number of shares unvested at beginning | shares 67,894 Weighted average grant date fair value unvested at beginning | $ / shares $ 200.1 Number of shares vested | shares (29,503) Weighted average grant date fair value vested | $ / shares $ 198.95 Number of shares forfeited | shares (14,275) Weighted average grant date fair value forfeited | $ / shares $ 126.55 Number of shares unvested at end | shares 24,116 Weighted average grant date fair value unvested at end | $ / shares $ 244.63 X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that were forfeited during the reporting period. + ReferencesReference 1:

http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average fair value as of the grant date of equity-based award plans other than stock (unit) option plans that were not exercised or put into effect as a result of the occurrence of a terminating event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of non-vested equity-based payment instruments, excluding stock (or unit) options, that validly exist and are outstanding as of the balance sheet date. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPer share or unit weighted-average fair value of nonvested award under share-based payment arrangement. Excludes share and unit options. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe number of equity-based payment instruments, excluding stock (or unit) options, that vested during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionThe weighted average fair value as of grant date pertaining to an equity-based award plan other than a stock (or unit) option plan for which the grantee gained the right during the reporting period, by satisfying service and performance requirements, to receive or retain shares or units, other instruments, or cash in accordance with the terms of the arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 1D -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-1DReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iv)(04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(01) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(02) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(2)(iii)(03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(iv) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (f)(2)(v) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 87 R76.htm IDEA: XBRL DOCUMENT v3.24.4 Stockholdersâ€™ Equity (Details Narrative) - USD ($) $ / shares in Units, $ in Thousands 1 Months Ended 3 Months Ended 9 Months Ended May 13, 2024 Apr. 29, 2024 Apr. 15, 2024 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2021 Sep. 30, 2024 Sep. 30, 2023 Mar. 28, 2024 Dec. 31, 2023 Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Shares authorized Â Â Â 501,000,000 Â Â 501,000,000 Â Â Â Common stock, shares designated Â Â Â 500,000,000 Â Â 500,000,000 Â Â Â Common stock, par value Â Â Â $ 0.0001 Â Â $ 0.0001 Â Â $ 0.0001 Preferred stock, shares authorized Â Â Â 1,000,000 Â Â 1,000,000 Â Â 1,000,000 Preferred stock, par value (in dollars per share) Â Â Â $ 0.0001 Â Â $ 0.0001 Â Â $ 0.0001 Common stock, shares issued Â Â Â 2,636,508 Â Â 2,636,508 Â Â 2,580,159 Common stock, shares outstanding Â Â Â 2,636,508 Â Â 2,636,508 Â Â 2,580,159 Proceeds from exercise of warrants Â Â Â Â Â Â $ 282 $ 5,488 Â Â Share-Based Payment Arrangement, Option [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Compensation cost Â Â Â $ 600 $ 800 Â 2,000 2,500 Â Â Unrecognized compensation cost Â Â Â $ 1,400 Â Â $ 1,400 Â Â Â Equity Incentive Plan 2021 [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Maximum number of shares of stock Â Â Â 569,273 Â Â 569,273 Â Â Â Equity Incentive Plan 2021 [Member] | Restricted Stock Units (RSUs) [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Compensation cost Â Â Â $ 1,400 $ 1,600 Â $ 4,000 $ 4,900 Â Â Unrecognized compensation cost Â Â Â $ 2,500 Â Â $ 2,500 Â Â Â Warrant [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Warrants outstanding (in shares) Â Â Â 735,069 Â Â 735,069 Â Â Â Exercise price of warrant (in dollars per share) Â Â Â $ 345.00 Â $ 345.00 $ 345.00 Â Â Â Increase in shares outstanding (in shares) Â Â Â Â Â 760 Â Â Â Â Proceeds from exercise of warrants Â Â Â Â Â $ 262,177 Â Â Â Â Warrant holders exercised options to purchase additional shares (in shares) Â Â Â Â Â 760 Â Â Â Â Warrant redemption price (in dollars per share) Â Â Â 0.01 Â Â $ 0.01 Â Â Â Notice period to redeem warrants Â Â Â Â Â 30 days Â Â Â Share price (in dollars per share) Â Â Â $ 540.00 Â Â $ 540.00 Â Â Â Private Placement Warrants [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Warrants outstanding (in shares) Â Â Â 813,314 Â Â 813,314 Â Â Â Stockholders [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Reverse stock split Â 1-for-30 Â Â Â Â Â Â Â Â Â Board [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Reverse stock split 1-for-30 Â Â Â Â Â Â Â Â Â H.C. Wainwright & Co., LLC [Member] Â Â Â Â Â Â Â Â Â Â Class of Warrant or Right [Line Items] Â Â Â Â Â Â Â Â Â Â Common stock, shares issued Â Â 31,373 Â Â Â Â Â 24,976 Â Proceeds from sale of common stock Â Â $ 200 Â Â Â Â Â Â Â X - DefinitionRedemption price per share or per unit of warrants or rights outstanding. + ReferencesNo definition available. + Details Name: adn_ClassOfWarrantOrRightRedemptionPrice Namespace Prefix: adn_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_CommonStockSharesDesignated Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPeriod to provide written notice to redeem warrants, in PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: adn_NoticePeriodToRedeemWarrants Namespace Prefix: adn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe maximum number of common shares and preferred shares permitted to be issued by an entity's charter and bylaws. + ReferencesNo definition available. + Details Name: adn_NumberOfSharesAuthorized Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of share shares issued for warrants exercise. + ReferencesNo definition available. + Details Name: adn_StockIssuedDuringPeriodSharesWarrantExercises Namespace Prefix: adn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionAmount of expense for award under share-based payment arrangement. Excludes amount capitalized. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 14.F) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479830/718-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (h)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_AllocatedShareBasedCompensationExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionExercise price per share or per unit of warrants or rights outstanding. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of securities into which the class of warrant or right may be converted. For example, but not limited to, 500,000 warrants may be converted into 1,000,000 shares. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3 + Details Name: us-gaap_ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of warrants or rights outstanding. + ReferencesNo definition available. + Details Name: us-gaap_ClassOfWarrantOrRightOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting

Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAmount of cost not yet recognized for nonvested award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe cash inflow from the additional capital contribution to the entity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfCommonStock Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash inflow associated with the amount received from holders exercising their stock warrants. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromWarrantExercises Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionNumber of shares authorized for issuance under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionPrice of a single share of a number of saleable stocks of a company. + ReferencesNo definition available. + Details Name: us-gaap_SharePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionDescription of the reverse stock split arrangement. Also provide the retroactive effect given by the reverse split that occurs after the balance sheet date but before the release of financial statements. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 4 -Subparagraph (SAB Topic 4.C) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-4 + Details Name: us-gaap_StockholdersEquityReverseStockSplit Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=adn_EquityIncentivePlan2021Member Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=us-gaap_WarrantMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ClassOfWarrantOrRightAxis=adn_PrivatePlacementWarrantsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=adn_StockholdersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=adn_BoardMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=adn_H.C.WainwrightAndCo.LLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 88 R77.htm IDEA: XBRL DOCUMENT v3.24.4 Revenue (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Disaggregation of Revenue [Line Items] Â Â Â Â Revenue from contracts with customers $ 128 $ 112 $ 3,520 $ 222 Transferred at Point in Time [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Revenue from contracts with customers 128 112 3,520 222 Transferred over Time [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Revenue from contracts with customers Sales of Goods [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Revenue from contracts with customers 128 112 1,852 Service [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Revenue from contracts with customers $ 1,668 $ 222 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91 + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: us-gaap_TimingOfTransferOfGoodOrServiceAxis=us-gaap_TransferredAtPointInTimeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TimingOfTransferOfGoodOrServiceAxis=us-gaap_TransferredOverTimeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=adn_SalesOfGoodsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=us-gaap_ServiceMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 89 R78.htm IDEA: XBRL DOCUMENT v3.24.4 Revenue (Details Narrative) - USD ($) $ in Thousands 9 Months Ended Sep. 30, 2024 Dec. 31, 2023 Revenue from Contract with Customer [Abstract] Â Â Contract assets $ 0 $ 9 Contract liabilities 1,200 $ 400 Revenue recognized from contract liabilites $ 100 Â X - DefinitionAmount, before allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-3 + Details Name: us-gaap_ContractWithCustomerAssetGrossCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 90 R79.htm IDEA: XBRL DOCUMENT v3.24.4 Collaborative Arrangements (Details Narrative) - USD ($) $ in Thousands 1 Months Ended 3 Months Ended 9 Months Ended Aug. 31, 2020 Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Research and development expenses Â $ 411 $ 1,197 $ 2,521 $ 4,745 Cooperative Research and Development Agreement [Member] Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Estimated total contribution of project $ 1,200 Â Â Â Â Contribution in cash 1,200 Â Â Â Â Contribution in-kind, personnel salaries $ 600 Â Â Â Â Collaborative Arrangement [Member] Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Research and development expenses Â $ 0 $ 200 $ 100 $ 1,500 X - DefinitionEstimated total contribution of the project, subject to available funding. + ReferencesNo definition available. + Details Name: adn_EstimatedContributionOfProject Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRepresents the cash outflow for payments made under cooperative research and development agreement. + ReferencesNo definition available. + Details Name: adn_PaymentsMadeUnderCooperativeResearchAndDevelopmentAgreementInCash Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 808 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1 + Details Name: us-gaap_CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPayments of cash to employees, including wages and salaries, during the current period. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17 + Details Name: us-gaap_PaymentsToEmployees Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_TypeOfArrangementAxis=adn_CooperativeResearchAndDevelopmentAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-

gaap_TypeOfArrangementAxis=us-gaap_CollaborativeArrangementMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 91 R80.htm IDEA: XBRL DOCUMENT v3.24.4 Income Taxes (Details Narrative) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Tax Disclosure [Abstract] Â Â Â Â Income tax benefit $ 0 $ (81) $ (55) $ (204) X - ReferencesNo definition available. + Details Name: us-gaap_IncomeTaxDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration XML 92 R81.htm IDEA: XBRL DOCUMENT v3.24.4 Segment Reporting and Information about Geographical Areas (Details) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Revenues from External Customers and Long-Lived Assets [Line Items] Â Â Â Â Net sales $ 128 $ 112 $ 3,520 $ 222 North America [Member] Â Â Â Â Revenues from External Customers and Long-Lived Assets [Line Items] Â Â Â Â Net sales 128 63 3,052 173 Europe [Member] Â Â Â Â Revenues from External Customers and Long-Lived Assets [Line Items] Â Â Â Â Net sales 49 468 49 Asia [Member] Â Â Â Â Revenues from External Customers and Long-Lived Assets [Line Items] Â Â Â Â Net sales X - DefinitionAmount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_RevenuesFromExternalCustomersAndLongLivedAssetsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_StatementGeographicalAxis=srt_NorthAmericaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_EuropeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_AsiaMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 93 R82.htm IDEA: XBRL DOCUMENT v3.24.4 Segment Reporting and Information about Geographical Areas (Details Narrative) 9 Months Ended Sep. 30, 2024 Integer Segment Reporting [Abstract] Â Business segment 1 X - DefinitionNumber of operating segments. An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-18 + Details Name: us-gaap_NumberOfOperatingSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 94 R83.htm IDEA: XBRL DOCUMENT v3.24.4 Commitments and contingencies (Details) ftÂ² in Thousands, Integer in Thousands, $ in Thousands Sep. 30, 2024 USD ($) ftÂ² Integer Commitments and Contingencies Disclosure [Abstract] Â Contractual Obligation Quantity Pieces Year One | Integer 57,600 Contractual Obligation, Quantity, Year One | ftÂ² 6,174 Contractual Obligation, to be Paid, Year One | $ $ 2,304 Contractual Obligation, Quantity, Year Two | Integer Contractual Obligation, Quantity, Year Two | ftÂ² 8,000 Contractual Obligation, to be Paid, Year Two | $ $ 2,150 Contractual Obligation Quantity Pieces | Integer 57,600 Contractual Obligation, Quantity | ftÂ² 14,174 Contractual Obligation | $ $ 4,454 X - DefinitionQuantity of contractual obligation. + ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantity Namespace Prefix: adn_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantityPieces Namespace Prefix: adn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantityPiecesYearOne Namespace Prefix: adn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantityPiecesYearTwo Namespace Prefix: adn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - DefinitionQuantity of contractual obligation quantity in next fiscal year following current fiscal year. + ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantityYearOne Namespace Prefix: adn_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - DefinitionQuantity of contractual obligation quantity in second fiscal year following current fiscal year. + ReferencesNo definition available. + Details Name: adn_ContractualObligationQuantityYearTwo Namespace Prefix: adn_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of contractual obligation, including, but not limited to, long-term debt, lease obligation, purchase obligation, and other commitments. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3 + Details Name: us-gaap_ContractualObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInSecondYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of contractual obligation to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesNo definition available. + Details Name: us-gaap_ContractualObligationDueInThirdYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 95 R84.htm IDEA: XBRL DOCUMENT v3.24.4 Commitments and contingencies (Details Narrative) $ in Thousands Sep. 30, 2024 USD ($) Integer Dec. 31, 2023 ftÂ² May 31, 2023 Integer Commitments and Contingencies Disclosure [Abstract] Â Â Â Accrued interest expense $ 300 Â Â Accrued loss liability 5,200 Â Â Issued letters of guarantee $ 0 Â Â Contractual obligation, minimum quantity | ftÂ² Â 21,000 Â Contractual obligation, minimum quantity, pieces | Integer 318,400 Â 75,400 X - ReferencesNo definition available. + Details Name: adn_AccruedInterestExpense Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ContractualObligationMinimumQuantity Namespace Prefix: adn_ Data Type: dtr-types:areaItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: adn_ContractualObligationMinimumQuantityPieces Namespace Prefix: adn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe current carrying amount of the liability for the freestanding or embedded guarantor's obligations under the guarantee or each group of similar guarantees. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4 + Details Name: us-gaap_GuaranteeObligationsCurrentCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of the estimated aggregate accrual for damages arising from third-party use of the entity's product(s) or process(es) as of the balance sheet date (if the accrual qualifies for discounting). + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483076/450-20-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 450 -SubTopic 20 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 5.Y.Q1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480102/450-20-S99-1 + Details Name: us-gaap_LossContingencyAccrualProductLiabilityNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 96 R85.htm IDEA: XBRL DOCUMENT v3.24.4 Net loss per share (Details) - USD ($) $ / shares in Units, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Numerator: Â Â Â Â Net loss from continuing operations $ (9,615) $ (9,891) $ (29,244) $ (26,530) Net loss from discontinued operations (8,907) (1,955) (9,907) (19,135) Net loss $ (18,522) $ (11,846) $ (39,151) $ (45,665) Denominator: Â Â Â Â Basic weighted average number of shares 2,636,508 2,012,382 2,618,601 1,843,154 Diluted weighted average number of shares 2,636,508 2,012,382 2,618,601 1,843,154 Net loss per share: Â Â Â Â Basic loss per share from continuing operations $ (3.65) $ (4.92) $ (11.17) $ (14.39) Basic loss per share from discontinued operations (3.38) (0.97) (3.78) (10.38) Basic loss per share (7.03) (5.89) (14.95) (24.78) Diluted loss per share from continuing operations (3.65) (4.92) (11.17) (14.39) Diluted loss per share from discontinued operations (3.38) (0.97) (3.78) (10.38) Diluted loss per share $ (7.03) $ (5.89) $ (14.95) $ (24.78) X - ReferencesNo definition available. + Details Name: adn_EarningPerShareBasicAndDilutedAbstract Namespace Prefix: adn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting

Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of income (loss) from continuing operations attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 810 -SubTopic 10 -Section 45 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-18 + Details Name: us-gaap_IncomeLossFromContinuingOperations Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe amount of net income (loss) from continuing operations per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7Reference 17: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsPerBasicShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) derived from continuing operations during the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_IncomeLossFromContinuingOperationsPerDilutedShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount after tax of income (loss) from a discontinued operation including the portion attributable to the noncontrolling interest. Includes, but is not limited to, the income (loss) from operations during the phase-out period, gain (loss) on disposal, gain (loss) for reversal of write-down (write-down) to fair value, less cost to sell, and adjustments to a prior period gain (loss) on disposal. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 270 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477349/740-270-45-3Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3A -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3AReference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5C -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-5CReference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3B -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3BReference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-4Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-1Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483475/205-20-45-3 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X -

DefinitionPer basic share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation and gain (loss) from the disposal of the discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTaxPerBasicShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionPer diluted share amount, after tax, of income (loss) from the day-to-day business activities of the discontinued operation and gain (loss) from the disposal of the discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 5 -Subparagraph (SAB Topic 5.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479836/810-10-S99-5 + Details Name: us-gaap_IncomeLossFromDiscontinuedOperationsNetOfTaxPerDilutedShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetIncomeLossAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of [basic] shares or units, after adjustment for contingently issuable shares or units and other shares or units not deemed outstanding, determined by relating the portion of time within a reporting period that common shares or units have been outstanding to the total time in that period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10 + Details Name: us-gaap_WeightedAverageNumberOfSharesOutstandingBasic Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration XML 97 R86.htm IDEA: XBRL DOCUMENT v3.24.4 Discontinued Operations (Details) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Sep. 30, 2023 Assets Â Â Â Cash and cash equivalents $ 192 $ 3,200 $ 3,661 Accounts receivable, net 274 63 Â Contract assets 9 Â Inventories, net 97 195 Â Prepaid expenses and other current assets 861 838 Â Property, plant and equipment, net 5,310 20,086 Â Right-of-use assets 279 3,157 Â Other non-current assets 239 242 Â Total Assets 7,329 34,737 Â Liabilities Â Â Â Trade payables 16,420 3,996 Â Deferred income from grants, current 523 Â Contract liabilities 1,230 414 Â Other current liabilities 1,785 1,035 Â Operating lease liabilities 111 2,138 Â Other long-term liabilities 1 1 Â Total Liabilities $ 25,403 21,289 Â Discontinued Operations [Member] Â Â Â Assets Â Â Â Cash and cash equivalents Â 362 Â Accounts receivable, net Â 128 Â Contract assets Â 12 Â Inventories, net Â 2,512 Â Prepaid expenses and other current assets Â 1,416 Â Property, plant and equipment, net Â 1,463 Â Right-of-use assets Â 59 Â Other non-current assets Â 66 Â Total Assets Â 6,018 Â Liabilities Â Â Â Trade payables Â 1,091 Â Deferred income from grants, current Â 7 Â Contract liabilities Â 1,601 Â Other current liabilities Â 881 Â Operating lease liabilities Â 48 Â Lease liabilities â€“ long-term Â 12 Â Other long-term liabilities Â 683 Â Total Liabilities Â $ 4,323 Â X - ReferencesNo definition available. + Details Name: adn_LeaseLiabilitiesLongterm Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_AccountsPayableCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-2 + Details Name: us-gaap_AccountsReceivableNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of asset recognized for present right to economic benefit. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 49 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-49Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 12: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 13: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section

S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(12)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 30: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_Assets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_AssetsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-3Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerAssetNetCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 25 -Paragraph 2 -SubTopic 10 -Topic 470 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481174/470-10-25-2 + Details Name: us-gaap_DeferredIncomeCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 28: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481404/852-10-50-7Reference 29: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_Liabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LiabilitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of liabilities classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10 + Details Name: us-gaap_OtherLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of liabilities classified as other, due after one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherLiabilitiesNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2:

http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_StatementOperatingActivitiesSegmentAxis=us-gaap_SegmentDiscontinuedOperationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 98 R87.htm IDEA: XBRL DOCUMENT v3.24.4 Discontinued Operations (Details 1) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Revenue, net $ 128 $ 112 $ 3,520 $ 222 Cost of revenues (336) (807) (896) (1,336) Gross profit / (loss) (208) (695) 2,624 (1,114) Income from grants 137 242 1,399 788 Research and development expenses (411) (1,197) (2,521) (4,745) Administrative and selling expenses (3,135) (8,000) (6,954) (10,786) Credit loss â€“ customer contracts (4,309) (3) (4,309) (63) Operating loss (7,927) (9,631) (9,619) (25,805) Finance income / (expenses), net (14) (72) (300) (522) Foreign exchange gains / (losses), net (1,672) (22) (1,837) 107 Other income / (expenses), net (2) (113) 4 (869) Loss before income tax (9,615) (9,972) (29,299) (26,734) Income taxes 0 81 55 204 Net loss (18,522) (11,846) (39,151) (45,665) Discontinued Operations [Member] Â Â Â Â Revenue, net (135) 1,152 728 3,131 Cost of revenues (102) (1,649) (716) (4,509) Gross profit / (loss) (237) (497) 12 (1,378) Income from grants (541) 254 310 902 Research and development expenses (934) (3,410) Administrative and selling expenses (2,067) (916) (4,167) (14,951) Credit loss â€“ customer contracts (67) Operating loss (2,845) (2,026) (3,845) (18,837) Finance income / (expenses), net 72 640 Foreign exchange gains / (losses), net 10 (1) Other income / (expenses), net (11) (13) Net assets / (liabilities) â€“ Advent Technologies A/S and Advent Green Energy Philippines, Inc. (6,278) (6,278) Payable to Advent Technologies A/S (12,340) Â (12,340) Loss before income tax (8,907) (1,954) (9,907) (18,211) Income taxes 1 924 Net loss $ (8,907) $ (1,955) $ (9,907) $ (19,135) X - ReferencesNo definition available. + Details Name: adn_CreditLossCustomerContracts Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_IncomeFromGrant Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_NetAssetsLiabilitiesAdventTechnologiesAsAndAdventGreenEnergyPhilippinesInc. Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: adn_PayableToAdventTechnologiesAs Namespace Prefix: adn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1 + Details Name: us-gaap_CostOfGoodsAndServicesSold Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount, before tax, of realized and unrealized gain (loss) from foreign currency transaction. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 35 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482014/830-20-35-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481956/830-20-45-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481926/830-20-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481839/830-10-45-17 + Details Name: us-gaap_ForeignCurrencyTransactionGainLossBeforeTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(11)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 9: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 11: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 12: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-12Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 231 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482663/740-10-55-231Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 6.I.7) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479360/740-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-10Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest income (expense) classified as operating. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(10)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_InterestIncomeExpenseNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-

S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe net result for the period of deducting operating expenses from operating revenues. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31 + Details Name: us-gaap_OperatingIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of income (expense) related to nonoperating activities, classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_OtherNonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481283/985-20-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 730 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482916/730-10-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 912 -SubTopic 730 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479532/912-730-25-1 + Details Name: us-gaap_ResearchAndDevelopmentExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. Includes, but is not limited to, investment and interest income before deduction of interest expense when recognized as a component of revenue, and sales and trading gain (loss). + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 235 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-05(b)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477314/942-235-S99-1Reference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_Revenues Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_SellingGeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_StatementOperatingActivitiesSegmentAxis=us-gaap_SegmentDiscontinuedOperationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 99 R88.htm IDEA: XBRL DOCUMENT v3.24.4 Subsequent Events (Details Narrative) - USD ($) $ in Thousands Nov. 08, 2024 Sep. 30, 2024 Jun. 30, 2024 Dec. 31, 2023 Sep. 30, 2023 Jun. 30, 2023 Dec. 31, 2022 Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Stockholders' equity Â $ (18,074) $ (2,879) $ 13,448 $ 32,582 $ 40,059 $ 64,148 Purchase Agreement [Member] | Senior Note [Member] Â Â Â Â Â Â Â Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Â Â Â Â Â Â Note description Company terminated the Securities Purchase Agreement it had previously entered into on July 30, 2024 (the â€œSPAâ€) with an institutional investor (the â€œInvestorâ€) pursuant to which, at the closing, the Company was contemplated to have issued to the Investor a senior promissory note in the principal amount of $1,000,000 (the â€œSenior Noteâ€). The Investor had also committed to provide the Company with a one-year revolving line of credit to the Company for an aggregate maximum principal amount of $2,000,000, contingent upon the Companyâ€™s filing of a Registration Statement on Form S-1 with the SEC with respect to an underwritten or â€œbest effortsâ€ public offering by the Company of its common stock, and/or common stock equivalents registered under the Securities Act of 1933, as amended (the â€œSecurities Actâ€) for proceeds to the Company of not less than $5,000,000. Â Â Â Â Â Â X - DefinitionLine items represent financial concepts included in a table. These concepts are used

to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 808 - SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479402/808-10-50-1 + Details Name: us-gaap_CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionIdentification of the lender and information about a contractual promise to repay a short-term or long-term obligation, which includes borrowings under lines of credit, notes payable, commercial paper, bonds payable, debentures, and other contractual obligations for payment. This may include rationale for entering into the arrangement, significant terms of the arrangement, which may include amount, repayment terms, priority, collateral required, debt covenants, borrowing capacity, call features, participation rights, conversion provisions, sinking-fund requirements, voting rights, basis for conversion if convertible and remarketing provisions. The description may be provided for individual debt instruments, rational groupings of debt instruments, or by debt in total. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 505 -SubTopic 10 -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-3Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2 + Details Name: us-gaap_DebtInstrumentDescription Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 8: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(6)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 11: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 12: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 13: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 14: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 4.E) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480418/310-10-S99-2 + Details Name: us-gaap_StockholdersEquity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_TypeOfArrangementAxis=adn_PurchaseAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=adn_SeniorNoteMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 100 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 (#!%FUD'04UB@0 +$ 0 9&]C4')O<', O87!P+GAM M;$V./0L",1!$_\QO;=!P4)B0-!2L+ (/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*I#BV&5(C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " T19M9L TI[^X K @ $0 &1O8U!R;W!S+V-O&ULS9+! M:L,P#(9?9?B>*$[*!B;-I:.G#@8K;.QF;+4UBV-C:R1]^SE>FS*V!]C1TN]/ MGT"M\D*Y@,_!>0QD,-Y-MA^B4'[-3D1> $1U0BMCF1)#:AY85H]6APH B\YL&Z> MZ,]3W\(-,,,(@XW?!=0+,5? Q.8.L$MRBF9)C>-8CDW.I1TXO#WM7O*ZA1DB MR4%A^A6-H+/'-;M.?FTVC_LMZ^JJ7A6\+NJ'/6_$BHNF>I]=?_C=A*W3YF#^ ML?%5L&OAUUUT7U!+ P04 " T19M9F5R<(Q & "<)P $P 'AL+W1H M96UE+W1H96UE,2YX;6SM6EMSVC@4?N^OT'AG]FT+QC:!MK03621A'^_1S80RY8-[9)-NIL\!"SI^\Y%1^?H.'GS[BYBZ(:(E/)X M8-DOV]:[MR_>X%#BVR]*+ M41B1%G\@M MNN01.+5)#3(3/PB=AIAJ4!P"I DQEJ&&^+3&K!'@$WVWO@C(WXV(JZMOFCU7 MH5A)VH3X$$8:XIQSYG/1;/L'I4;1]E6\W*.76!4!EQC?-*HU+,76>)7 \:V< M/!T3$LV4"P9!AI@S M&L%&KQMUAVC2/'K^!?F<-0HACA*FNVB<5@$_9Y>PTG!Z(++9OVX?H;5,VPLCO='U!=*Y \FIS_I,C0' MHYI9";V$5FJ?JH,@H%\;D>/N5Z> HWEL:\4*Z">P'_T=HWPJOX@L Y M?RY]SZ7ON? 0]H=*W-R-]9\'3BUO>1FY;Q/NN,=K7-"XH8U=RSTS0LS0[=R2^JVE+ZU)CA* M]+',<$X>RPP[9SR2';9WH!TU^_9==N0CI3!3ET.X&D*^ VVZG=PZ.)Z8D;D* MTU*0;\/YZ<5X&N(YV02Y?9A7;>? 8T='[Y\%1L*/O/)8=QXCRHB'NH8:8S\-# MAWE[7YAGE<90-!1M;*PD+$:W8+C7\2P4X&1@+: '@Z]1 O)256 Q6\8#*Y"B M?$R,1>APYY= <7^/1DN/;IF6U;J\I=QEM(E(YPFF8$V>KRMYEL<%5'<]56 *P MOFH]M!5.S_Y9KF4Q9Z;RWRT,"2Q;B%D2XDU=[=7GFYRN>B)V^I=W MP6#R_7#)1P_E.^=?]%U#KG[VW>/Z;I,[2$R<><41 71% B.5' 86%S+D4.Z2 MD 83 >LX=SFWJXPD6L_UC6'ODRWSEPVSK> U[F M$RQ#I'[!?8]*@!&K8KZZKT_Y)9P[M'OQ@2";_-;!/;=X Q\U*M:I60K$3]+ M!WP?D@9CC%OT-%^/%&*MIK&MQMHQ#'F 6/,,H68XWX=%FAHSU8NL.8T*;T'5 M0.4_V]0-;/8--!R1!5XQF;8VH^1."CS<_N\-L,+$CN'MB[\!4$L#!!0 (M #1%FUE*^)@X)@8 %\C 8 >&PO=V]R:W-H965T&UL MM9IK.XUAN/>VW- :PD)L"299'L?]^S M'('C68X(#5]L(7%>[<->]' YW0GY)=UPKLAS%,;I66^C5/)^,$B]#8]8>B(2 M'L,G*R$CIF!3K@=I(CGS\Z(H'%#+&@\B%L2>2KL][" M?N\Z$UV0[_%WP'? I]]=$HSP)\45O7/MG/4NWB(?<4SJ"P;\M=WD8ZB1HQ]X#+X!&.L\389K_ M);O]OL-ACWA9JD14%$,+HB#>_V?/Q8%X74!K"FA10-\4V'7?X!0%3@ZZ;UF. M=<$4FY]*L2-2[PUI^D5^;/)JH EBW8U+)>'3 .K4W!5;+DF?I!LF>7HZ4)"I M/QEX1?WYOI[6U,_(1Q&K34HN8Y_[W]8/H"UE@^BA0><4#5SRY(0XUCM"+3HT MM,?%RR^X=T+HT%3^37.<\O@X>9Y3ER>\#$:M(@\O"3<=!KS? RL!W,SY7++>_-??K+'UN\(TK!$KJ)M6@"/GS-=A6QM8L+K5RQ,38?" M1"D!)PT [SC,A"^7DX(+&C&*8P5O&U=?/.VS8^)#:UKRS4J\V7?Q_<.9K'#?L^KZ#ZUJR6=;U0^F MA;,*S:1\"XB-UB-Q_;Y- ^XYMXL0KVX*^,@,;;=EEK +U IPA)[=9],2E$0\/ ML2R[[TPG0VH$1&O M(*D#8!O.?K(%6PKBIRRR)S'^)!"W^;K\W94$O M3X;#XEL/#/R M=N%!=B5"-JXO!2^,.B%!$'+4=V2I8'DB0A)79-#AT._"- P_U(YYU:43NPHWL M2HYLW&@*Y(7O0SK,N.(%N8']R*?8S(E'CL;.A-PPL@#&R<((VX4WV94XV;CKO(5U]18,Z >QBXV@>-Q- ">^ MD9!&$\9KVZ)6#F7CXO,6M9R\=U)L@]@S#V@\TS7W:1*1$.BR_FQHF;NM"TFBE2319I)4./_^E!NT+I^2YG.:(XFW MIE79Q8O:8E:.1!LYTG6LX,R3G5L1]YGD<8B#$WP<:>;OP(EIY$6WD1&#ME3&\KBUHI3ZTD?HL M-QSZ$\+.$]^0X)\RA0H0:Q/I8W$/\A? MBN.P3QOF:?H&V'9.Q\YX9$U/!UL#HE.)CG/DHM$W; F39,O"C).?K1-]\DP2 M6)#R6S#&6PP_2%V*6P]=B)!3B9"#>\Q#H$)PV16QZ:]OY$E]S()O6_D/]4 M_^.8NGAVVZ-0>9.#*\^#'9'ZN$2_1DPB-\$\]HK:D:#;Q?)B8;YSUH4I.94I.;/C7/#*IKQ0:? T7QTN^>IUVXDE.Y MDH,[SO?,4SP).60N7MH6LA(D!Q>;!M,0#X!I^/AH!.M"C9Q*C9QC-\$:3T0\ M")F(/]2)!J\>8= ^ES_9D1)/7ZW7DLI5V?# MH8B7+*?B(U^Q0OWRR,N<2O6Q7 S%JF0TJ1OEV1 %P6B8T[3H3< K[^[+Z3E? MRRPMV'T)Q#K/:?G\F67\Z:('>R]??$L72UE],9R>K^B"S9C\OKHOU:?ASDN2 MYJP0*2] RIXO>I?P[(I,J@:UQ=\I>Q*M:U"%,N?\1 7A-KGH!94BEK%85BZH M^K- A5RS+*D]*Q[];I[W=/:N&[>L7[W 4P:M@YE2P*Y[]DR9R>=&+>B!ACW2= MR6 \Z4^V#2BL ,4\$ 7 X&EK& 1 O!:2Y]O&2D&>%U]2^G/;$:T&D#@:H&T# M]-H&>-L UX$VRNJPKJFDT .2/X&RLE>JHNZ;^K6*IJTJ(9QO)DOU:ZK:R>G5 MUR_7-U]F-]= 77SZH#Y\O[RZ_7-V V9\W-P\S\/Y[0==)*EGR 0S M]]DU>/_N W@'T@(\+/E:T" (1YT.I]%1>A_'VWI^;>R/'O6=L)1'@H]0@(BE M^96_^36+57-8-\?[S8>]%W9=@79=@6I_H:LKUF7)"@FH$$R*,UL\C0-L=U"M MN#.QHC&[Z*DE)5BY8;WI[[_!4? #)%MV)G.W%BG>Q8I_WZ1452Z!&#<35!?MW MG6YHIH*WCF+C:E2[JM+"9@HGZ'RX:0=CVF"5279&>R+)3B3QBOS&A"S36,VZ M6F9? K8=ZA&P:O9[LG0EL@]+X(>U876&$NS!";QB7<U$15Y1]R5;T30[!*?"K6"B7FI? MY9*5+W/8T]61H2<:P8YFBPV.[)HG.\T3_S2M!0'^")4Q&I&I,5:K3Q5,)2T M(JY5J]?E$=- B8L1#"':L.QAHM@7>D!ZXI-DK>GSK9F*$-1==Q:K*,*.F0); M (9>['SAQ2 ^C)ZMEQ.QYU3>]F/6I(5>N*E%*VFQ2%4F%,Y4N'71[NYQ=^G: M;!SY!&HT0C\; [\MJSLOG>M%6:%RILE6Z=6)#0XAAT%5J6BD^1B.'6(U("1 M59DZX(^#M6"^&6YR#;5Z;JO1-,(P'#LD:OQ!/ ,\,C!=ZQENU>MT=D52@2ASE1CLPV,2 M%8X(ZN+,8H8G$P?-D$8O\]/

M>]#QUQTHVP^*.'7[0178;#^HHC3M!ZORARV]/_R.]H.>W&654>ZPI=A)K#0- M^V34?(*&[B2&TB(4;2>OX=%7#Y5?=O4YSIZ356XL^)/ FQ]<48FRW?='[9X4
MZ7K[;42/:5&DR^W#%QZ+#])E@/C[4YH6/YZ47W!T^!:OZ_\#4$L#!!0 (M #1%FUEX["W/^PD *0R 8 >&PO=V]R:W-H965T&UL MM5MK<^(Z$OTK*O;6UDS5,-B2'S";4)602=U4S:N&F;V?%5N
=HS%M4T>^^M7 MLL$R5DN$+/,E =,2W>I6G],M^7%7JP6AZL:%+-F?5S\VW0KX;M;.D?,WRDHL< M%6QQ.;CR/\S"L1I02_R;L\>R\QHI4^Z%^*7>W*67 T]IQ#*65&H**O\]L!G+
M,C63U./OW:2#]CO5P.[K >RWM?'2F'M:LIG(_N)IM;H#98:K'G> *=/NX7H#)#SP /P;@#N#P@L M \AN *D-;32KS;JA%9U>%.(1%4I:SJ9>U&M3CY;6)%RY<5X5\E,NQU73V=
(/EJ_O73WLO1P_$A:U)J%]V9=8^>$<[9YCXCW#F$/!X ^LYCAZ[Z@%@01E'8BATH%K:*A4[77*7_D;M,)J:J1)60F2D1><(SAO*= MQNJI>ITH'RYJ'VY+EJJ(%ZT;J=N-X3G=>*;)#E8K:E M5S1?
\GL9L[0L607Z8&PH0GJJFA(AMF@Z:36=.#6]6V\H+]0"-CM)*JM5S5-3 M_KI4HCTD6<99(;S^UX4)8VQ$\/821P1V%K?TUCJ.>W]5H@'7A,Y*TJV0P,GJ&+L$X[B<]S>?OC_\#D'PG4;-
"B;QOG$@S63^HWG"0$-\ MTQ#B3?J&F%)#'^..P8=Z8JTG=NIY*T,/-=!LR]"2\GIG/-*BH"KX.+WGTAW/ MH-K85*@TM :$2&B!'E_3 M^)N=-Y)?)0T5#4Y2(M0J2@X !]27F1IV,QWV%
M3:F81&.+PAK%?3>,WY7E5OE?K:Y4>,UKY$3EBA:6Z';.=*.W4UTF&_'E@3E M:_3WG7 YO68Y6\CP5ALVV1:%LD8E(5D),/E,Y2AI)Y-YZ\EB8 B$3]CW!B"$ MO<"BO 9CWXW&>U+%9&K-
%2)O1$FST6,A^?E0+!9E%]'>H4U&=]:UP :G8=!. M$\5]'!/#4D!LC"V&:I#W24J]F%AY_B!5%P6W>,0$71QZ?3V=7_B*?*K1VW?# MMW*:= @7*4_D'BHKY209;E(L1?>
[[+\"O^U$^%RS'5:8&NVQ&^UO6%(PF;I';V2.J%^] M50M#DT1L534A>27C#U1N*V@IL G[Q O[7@2D0NS!;L0:TK$;TBV:*SY?R$K& MD06PB=Y]] 1$?)O&&MRQ&]PM&A_)!!A
;3\P%#:E<&S9*EA#.W9# ^UYCI:8, M/TF$TY8&UGM%5"O6P1S[DIM(I%^G0$(#?W8 C!8PSUVPWW7B$;?7.3#%^AL M@O40QT9%#XC%OF?!=*PQ';LQ_[;>C?;0H V1LIPQMZ+/:DK#:)DS[V/>-
MQ88@'P>VU=9PCMUP;M$[E8RV[DQDM)(0L:%%98MW$WQQV*_SW$2Y6>&MAH(/FH'5F$3WV#>M,H>'84C<1#;W$ M+T;6S0I3ZA'UB0FM)IT%A@8DL(04T0*1,W "L^[!9E7N=2?
L,"E0:J)YC[/6K M/T@LLI6K1*,P<:.PHJYU*WNC^'BJ^.HS&J$WNW[H6[^0#9IA0B[QC!H6D!J2 M" <6-D$ZW?C3VO%WDD:4+VK'G[?=LI]@#, E_%G(&]$L@1POZYVY$4HRH*4 :8C[L
H(#2//UD0EFA*0 M(P5^+S/>\EP&Y$LRXUDK^W/-=GA4]>E%<+2/WV1&=:K2ZWC*<"U5Ul:>@JJ M&RK*1#>\HN")16 R"#SNNQ,0"H.QI08--,T(W#0#C$G(I:#B)H< %#>%'(IK
MHA$<)QIIIUI09Z_OFA-8E^2=)%:)0N&=K(G*]N")*HOJ#Y5/^\/LZ YJ8WAU: MJA5PGUL& $N) F_)0)8ROA:2&&B6$K@["!\7"Y;4W4'VE-2--R2592C9->&$ M95U.7A:0-L.A@.-
^=PH0LN!"T+DG$#@ST)?]4;LMCUH.GL&L%+R"?=BSTKEF M.UP936@"-Z%QH@MT%0%<$8"YC(G1X@#$)A-;*1UH?A.X*8W3!-X"Y!$3SD5M M H#:X-@6P9K9!&YFXS1RT6;?(T::-"4_^JTBF-:,S
MH2BMZMKDGBUYGMF0>&1&PSGM9NI MYOU1BX%3$*/U!PA)?F&S5[.G$#LA]/ON#MON5E,ET$SDJ3IY2-6K4F0\K5O) MUS2KJ>U<71^UW%QS$K63KZZ=:;;#A=&,*G0SJMG>RR_9K:%):@
/FD(DBBOE M6*A)4.ANS7P_C,)W^YXFJ.>Y;EB$9C\'>[8SX[!SO])-6PO:_D=(H#VON-\/ MVV-RF#BT)5%-8+<C%,8WX4,(W)TP(PZX36G/&9JTA+&:=BNGU,7 Z20^\!7D MPY$9SC3:H?
F:SX1'SGC^SRK?/?TI0=M,U+WE'$=][XXZ] W7K%C6X-0YU+; M%&KNR+=/VY]:7-4 ,,@]O_8_S)H?3.AIFM]O?*;%1/<296PAI_3>QS)PBN8G M$2T+%R,JEK(:V+=(<2BS.6 54[2P9+[%4
M)E_9HN* ,P,JB>TYSL N<4&M.#*^&8\C5DM24)AQ).JRQ/QI#(1M1I9K;1VW MQ2]7VF''4857, =Y7\VXLNR.)2M*H*)@%'%8CJQ+=S@-=+P)^%' 1NRLD7M P&!5&H&K#YKF
AFD@=XT_+:762&KB[WK)?F=Q5+@LL8,+(MSR*3^<@ZMU &2UP3>?'(8?W$;ZN< MN\2]:>)C[R#A*HSY#N?D.=X0<IY]J^'^WWI_)_Z],WJ>\7PNU?@&[[P3: _@ MUQU>$/C==^D-
K=]/JWO<4%0XA9&EFI@ O@8K_OC!'3A?^BK^GF3)>Y)-WXEL M[VZ"[FZ"0^SQ=S4LKFG*2D#'WY@0)WWWT% ,#(4>#>OXU#T//2^RU[L5[@MS MSX/!?EC2$^9?N*&[']S;M"0O"P2#LPI\
[9WN5)?F;$@4,IJ*ILGVGF[R7-I M&NXS]@=3MP>?Z(F53-8 M$W8^X&\U5!!2*P5%+.V6?U!^#-Z&@,R2K3&Q=, MJDYKEKF:ML!U@-I?,B:WAA;HYG?\%U!+ P04 " T19M958@J 4," "0 M!@ &
'AL+W=OH M$?)1E0 :/3/*5>R56E=+WU=I"0RKD:B FYU<2(:(UT!]ZTT M,[]WR0@#KHC@2$(>>ZOQ0@Q*.=;++8"RP04$BU=<#F M]02W0*DU,AB ,D^O/]{*3\='']T\N=Y/+ 2NX%?
0[R709>V\]E$&.;ZIWHOD. M73XSZY<*JMP3-6WL/106BLM6"4'8"4+'W1[D*#]@ MC9-(B@9)&VW<[."EZM0&CG#[4?9:FEUB=#K9F/)F(-&#Q!GA!5I)B7D!INO: M1:XV)I@X/^W,'M';H77)<*?
>099/_J?4/6XX5'O4X:+B':H0FP1L4 M!N%TP&_2ISMQ?K,KTD4_[DPTVFA@ZN>YW%OKR7EK>WN6JL(IQ)ZY'@KD$WC) MZU?C>?!^ 'S:@T^'W)-=30&-@\/L9GP*C5:9J/3_I6YQAPUS3!4,@,UZL-
F@ MSO?!,ZZ &S9]"6[>P\VO]NH#2'.7\ 6V8<^7V!8]V^+JP@WS#?M>Y/-/N@0# M6;A>]% J;J[;AM&O]NUVT:9O^%MK[['LB!<(0]YD0:CA?F)/:# "25_ %!+ P04 " T19M9"WCC/LL4 M @/0 &0
'AL+W=OR ;Y? M@=+NW9*I*(J4Y*P3/ZHH64Z\&\>N,-Y\N'4 @#,@B7@X8(9RMQ?OZ<;C\%0 M(]EQ]E;F("G79V[K56RY]J,GK5NZ,+YR^=;N5)SU?S8OK?X=9Y&*?5&U4Z;6EBU M?'$\FWYW?
47/\P/_TNK.97\+TF1AS$?Z\:9\<3PA@52EBH9&D/C?3MVHJJ*! M(,:O8BQ*M91MU?QL[GY009\G M-%YA*L?_%??AVEIC$9_L*K\-H33-2W*O+&XJ_%>_):.NV$60HLJ5-U(\E6S\\:#$T/
MG!=AF&L_S,4#PWPKWIJZ63MQ6Y>J[+]_#1&27!=1KNN+1P=>)STL>[\D#X[VS*UGK?I-Z(W%C:FZUK6A9:5 MF..B@ALV3OSO:.$:"T?ZOR$+>0$NAP6@X/K.:66A7ARSJ>U.';_\VU^FWTR>
M/:+>55+OZK'1OWP9'QUF6$@O'8O!\<6['9Z@R)N5.UP4OZAB79O*K+1RX@=3 ME;I>N9%X4Q=C-K*V[<+K4TM(S)W!?CL^=]O84X\I:58K&*.G$W_[R].)B
M\LR/S3^FSWB89JWBS1NSV"@@IL:#E#HN'@1"URF(1G7\OBK='W&)& MLZ5E%84?0P#H+/2J5T+7/,>R594H !@CL5'-6N+=$0^TW!?6K%2=C\AF&T=+ MD!R$1U5Y5@$]:=
X31@\EP!VI4L _'+V_O9M/NC)G6[68F.L$C2_F#Z9B"UT M(F?4SK6]' G_XT_$L:*2A? 2RC.4P-)U.E8_-(-G30:L 7>6NRC_*J6BTK1 MBB_/5E:78FON%+!\[Q +CA9H:TW9%DH4T*\,MY?
6;.0.2VM:)U96P4(T(]8Y M6BRWY$(:MJ9ZVS.N5:6ZH]E%+9O6(@)7TIWZ!308K_9PSI99 W,QKUHN=:%5 M7>R%A.R?&HN %7*ST*0+).:5;>&ZW@UK 5$4#1V?5?5.6U/3:NU!J86!2FH4D
M;S=PUV8/X;2%GE75TIW3N-3D>M. /W.",F#T(7IS:0#? I(&^Y(/T.P;6;+ M8$AKZ0JM^UNU65A9*W%+L0"[*C%S&4<1$R=O;V>G(W0UL6:O(]>+\@?E'^6
MDK0N2).*02H%R,8XN+:%&@5KM-F:.O.UY G>/S"+]*1=41B6"D -K57JI M&N3@45C@DK(QV:*SN%\TLR-STCR.I]"U@R&K#E^386 7*^A1N=W"7;VQ\KBA M+$Z6X07NAQ!HPT?
5I)_O;M\Z_QAIM#+0$U.OR*YL6N,-P2^Q!2IHEL5]&:6 M2& %5HH&R 6+T>H\XH&V!$OX4>$?"UE\;+>C%"G>'EMC& 9A?OHTK^MM%@L%O-' MO&<)*I#>)!:.V%K+49HY("6_3JM-
USM3^&AN>]@$)R4!":/%E%) M#*0 :5$9 EEZO6^D)W,&[XVT UN91D=2"(W\-8K59,/I*5ZO\:-[98CL&Q5 M=,2%K#_ :=ML Y:#64,J=G<]IO'^TB&*2>BS>U>*U6MB6'>*R=14G,3<"2U(
M22!&%/1/H2,S>WKP1L^+W5CN&0"AM0<7B2W2[>YA,3FR>%H]%;!U)[2C:%F!0 M/,!)E]^OXP,WW0,I>6];ZUI)B$T* \GC*FZ4)1M*2BGLFOF0LW25G;&2O.IO M^95.TI)E?% =N"%AP>)4(5'J72-
'L_ ,78T?B>WX-:.1HR6[&OZ,/]^2(UOQXX\W/47# M]>YI>#OA=8"H0H*!$)Y(GR6LZKC:3OG8U4\:=5CFKUQ.@KV5L!0"4&^KDW328UZ 4E?NXB1 M_9@+1]>5;._DP-]Z!^877@&R-
G3U=/+.^T;1X49]._A5&%1Y MC.6EV*5OL78!P.D/.9"N4$#!!T$@"3TH3I@.IG\#T$88V<&5]-(X[Y2AC!/ ML::4[W&\QLK1,S#]JW!8<@,R'V_(7R:?=1K9T*5!4F4 M;Q+)\DD#$H12:?2
'%G*IB>M=I%)P[\-KWWW1+3E%XZ],# HO51BZ1!LMC?' M?5T&GG]P1G+:!RRK(F.(IY/0/@X&W?*;#,C6; M7-=HNF=FFHX ZLO>'7:_%C ?;@76%GI=#"DV*W%3]ZMFE%Z-7#L
MOP[C\A2.7%7F+D;?%Z04GC\($'R-AJVT7$2F?T\I.#,>U_;0I7V7ZT3O3N_5 M3A2* ! 7V)8Z""I5TS"A-J6+_3GR\#]-1];B@O@X!=ZS9?.$/0:WG75&6=AM7K)^\<3%Z X-%R^0%
MYG%K:=7APB7=,04(C$>:D?BKF(PGD\FT5^),G_H:Y0%**A2G'1*J/)N-%]]E[R#P^))M0:HBA4B.7J9]P)P3(02N&V))@:XCOT M3!< Q(YD5@\"N[/5X1+3E\E/HNWSJ#NP]IQ6>,"^ <5?
CV_'/X\!+=3Y9.5M MJ2]XV:JR9HW7OM\L?B S/6P=@$\H.G"[!1,/]%[>L52Y-L!^@-.G)2,I/52S M6P=7!+U6W\AJ&PH1;D"%\.@1F;FRMS7(]9ZJ<5Y4I#RW#@GRL'*4CY6+-'/@
MWR=)VC!ZS\>BO9#9R9C"3!R+XK%%WT 59.S0ZNJ0;N>=7[15 /TK5]O*>) M < ;50LD"!75U'.3MI9MR4:D#K'OM'\^(Q[D(=!BY3$46 W,]!KF@%CT=]>Z M?.
[DB9JRCN9:T(;]=T=SK'S95ER^] 96?'G4#71T0US$+^@[+/(!YLU[K]+ M!/HHROT3$9 W=>[!KSP,O:D#'E'/B7MT1P_#[X?YS=:U9V(R/0=^,[Y/GXEO MSR\G Y>&AA+S\6P<>G48AX?
[^L$([DBJ/ST0>5W"F#^BH\=0:MIY#+T:S%_L M\9YA%A7YS5'L"$;_!=L$TZ(B4$8+8U>CV%K[KM5C4XS3QH.MMW5P.$4==$5E'0$+B'KYS=6S]\G%"!F766'FT$>EID9GXQV:^4_ %]HEDONP
MW4 = _PUY(+4T_70!&;W44:D'-8_*CH>>.(IH0-GJH:08WON>-Z8"XF2]UN"@ M7$(L* ?_WH:P[ID7U,D0XB-L+2!",8.B-G6ECI@)55)O7)9]NKZM7X:;!+N-
M+C1MYU%3V,_K<5%1.8.HU&5+!0G3R1X9#Z"@;39X))FCQU#R,[H_NA^;)D-$:9O]AOO<>"B8U#,#'$IL"/A,$W"B-0<@P> MW+G_Y7+PKX/R >S6]UGVA_$S M]
[VLWF^'4SY5W!I"G0M54TX#LW:WEC97[MSY9,$VOXOW,4K'Y3;DF;KFD!'JH,.MFWQF?T45[D97Y&$!BHD0&>)Y.E2OR)6 M+!]9C+>BO'7B&+Z$)2.%YYGOZ4UX+W=OJQ@+HQZ:F]4*
(4UA(EC\@;'!O (MJ%&?B*=DXS-<[I6T+(?[6N;AUJ;MB"D(,]\5&.%OO1UTCKINZ,\,Z/>T"+"(M[RDX9K_[+T:V99W5-:/FS:S= /SJUA31\ M]D_,5]'&3-0749!1O.GE*&R6_4IV GPC9I;4I8LUCQ[O'8?
K8]K!LT$T7LFEZG*B,/P-]>5M9/%H8**BI3:!Z O%1D(Z>2) Q7, M3W]W04>U%$5^':*A1V=+!'AF:Z)X&^#UTKF+\ MH2IE8M_(FXF)C=4RK.!,8>(4N=D-K],&/&]P-^ _#EMVMV>
[D)Z_F$ROSJ:H$E_Y M"**+!3^4(=05F>W)V-3GM M=_0H3M5.5BV[QMW:MWZ8#PB_S9\.ST&A([6[1_(BV5^M0&E]1Y@6B?!!<09I MJ#2"-4L#28(Z@^2B4^B193LBL'LPI_J_-
FH[H'R@(!'&SIA[Z.84(RNHL(N MG8>"[NP=`>>DC,9(T.GG#RS2R29BK^F *C7ETVDE!@!$N]CXL]A,G8[F5'QX M[C09#1OF L3N^ C57R_'4W$YFCQ]*BXNQQ,0&5_@WR>]; .(#,=<9,>C:8C?
MPC8\YV*>W^\GZXYD-W>]VJDSOAF9$_:*7LP&!R41^,TV*L M<*K!&$P%)!O@Y>L"VO2,YQ[#IF@J96++'WB:SOIT,S=ZD^U. =PL'7@%VPSF M"H=.H[:X^YPH$?QK@U5D+E"]#3VR)=
=,JXATW,8)]77222K=?5Q7U_2CB# MUWX9 /OYG7XLXRZ>;_%"8E!>))EPZ@CDJPA'D:*)D:7X+*A2'UTZ:]JVF#\U MP;6"O_L0I"/!%7V*D0AKY@0E"KB0 H';2\)NDND+C1/5,.Y'\V M7!([9P
Y5?'4A9.>@H$*"?4&**Z;%$B ML">:R5=V*M6U7I9%Z(V:M! M&#I?+++-I$M8&3X#@(Z(-0_C]%5T@/C/8>D08LXJ9T:!O+&KB%4K M27"5<:.O@I28/N%IU I;MA7PI-]!T"
[CW6;!O9:,Z\C5^,,63<>A4B,KG W$ M*\&N5(MDQ]8!D+)#,\;GOZS/U[Z47 MRUX49*=245H$ Y=;O:^"' WB8=U/ M+TMJ+A!-DPS"/'4Z\HR%Y>W&4+D!:O T[[:%^*;V5.:\L+Y?-E(${);=0_0+R M!@.
[P&<6. @V[#-+>'4 LT0^.;PZ4LX8'I1>3SEZC96K_C8=?A^]IU+?E;I%2M$[=0R%9FKW@9VF9M:%@3/)EHQUA&7-'<*4.0P'Y(AM08A"MLC0N^"F4=LP\ 3'2\0OU)LI MTF(?
N3L;%SN87T)&PO=V]R:W-H965T M#B; C&3FUY^ONP'.#$79R=E]*O&^ #36^L^ M^XW6C?JR+2O_[&C3-/7CLS.?;_0V\O-;ZPIO5M9MLP9?W?K,UTYG!4 ;EF?S MZ?
3!V38SU='SI_SLO7O^U+9-:Z]KWBG?;K>9V[W0I;U]=C0[B@\^F/6FH0=G MSY_6V5I?Z^93 =[AVUFB4IBMKKRQE7)Z]>SH:O;XQ3F-YP' _/K6]SXKDF11 M[6?
Z\G/Q[&A*#.E2YPU1R/#G1K_494F$P,9O@>916I(F]C]'Z]]9=LBRS+Q^ M:*D>C08T^L*@\&\R9BC;E MNG%X:S"O>7XMFZ'L2EV;=656)L^]1EWEN6VKQE1K]=Z6)C?:/SUKL![-.LL#
M[1=">WX/[4OUUE:-QJM75:&+X?PS\)F8G4=F7\R_2O!:UQ.UF([5?#H__P]] M11)^P?0N[]%W0$KUWU=+WS@8RS\"2ST%H?ID0.]]G66ZV=\"\"OW8T^>O[# M=[.'TR=?X?8\<7O^->K_YE9]E?
9ASM5\HQ[XHNKC1CNM-MF-5DNM*U59Y7M3 M\DU6K3%LY>Q6-1L]>5VI.I(KS ^+ZW7A3*5>F<;K>;$!WD!Xi;M_GT"3WT MJK'JI:T\IA59@&O3955N85)&
MG$,MM!A&+BFN3M0G/(!R7OG&(%3);BAL99VYC,,?7N9]+:V2EGS2$FD%@RC4 MFV8GXG^:7$_47Z^NWB,$_]8:& ?"3X5X33-(]]OLLU8ZK9M5A-3"U-MC2E:4P@%8R@=3I(0*]DE>^;XZ.-
M%,Q.^')06II['TM.W^B]#4SH+\B!?KAS,HGWE3?.3]0O2#)0='6ZMO0M254<$.N M96$@\#*S+'50T)B9SWG'VX;4F&=^HU8PFN"*I:W6IS2_B#K%.KZMV2,,;-LX MV6KP"W+$09XMR/^2!
[>F+6UQ:TIRS%LSMX8SUM?Z5Q[3]&#& N>X"%.KLU- M!AY%D+@:H;6AH\+T9D6KX1+7(TPW:O$0I*'!G.(*KB$,&T M5EM!*VQL/G!\>"6*I# >#DCTPH) \?
@[7U9'8;79(9C6!@2'W&1A\!:W^>5Y5UJ28QT:1@UG/FI^,KGC:C _Z22@S3B@+,&,Y-LY;_@^K7&?1%IQ_UE_\12> M0\X>I+%E5I)[*4; T>S7:X=H 56$B+G44&1%?L/1O"HD//-.CZD(.)%X6V4(
MOB?C%TOZ^'ATC=JI:$LMF>2NN/LRCH;YOK]7H^,K MD)680X0D$/ GZOA3Y/1D=+^A?]]FEW\NQBC2AM]&+*'S6D=N^XI4,^!UQ5R M63?DX<5T](/ M*>1K /Q|&*]7CH-
2=0;ZREJ_XIUQ[45T-YT]D",]/75]0ME M$%Y ZNKZ$[\Y)1360;V?*RS6)]PWFS\9$CW^:&N3]\7\PZ1%";D%S(WI.B7C7-8L94T*^QU$"2&= M0LA$O6X=O>FM=7HL:XOQ!3UMW>.];<,0!HI/
47#F$Z[!$D:^39.H/U2TM"NR2*0(X=+59G.X'__6438%#+ M'4N+%3@2QT% VMR\8><*]5G(L-BA5+R #':/(.XGYZ&7H$38DN(W-%\%[_$^ M^C8GC\V>9?XMLLH&]1=X)+C()I?1?
UFY(RPFLXTCN9B& 628Q%M$:#QNA'2GHC(HLP2F4YX:$$RBI(#"NMYJ9(C" MEG9]+^8F1@&U]+6[*R_!UU1\":;I&Q6@*$DHBEV1HI1\9]"]TC^86ZI$/3 M78I\)@S4Y@\),Z&P_P<=N%-
E7*&0(:=@M@CH]" "I YQ2(: >B%;0*SL [3:9 MHV9$K[0:N@IAG7ZS("NVIC+4&>)](M]HPTK:^50=\H*,D2A&=8 E5/821? = M:)
[C!TT>%$.86^B&@F25*HO"MLL&)=XD]EPZX$+C]61J=']5]5T!]Z\P@7TE, M)"0B89*L%8]V@3Z"28$ %+>+3??'KJ\P,O[FA'C4;Y=@]4& _#>VR5@CR.N3 M!7*GU'6&=34YTB'E$!.>
(|)^V3[U.E*:)S9"PB M@)6X8)![!$34H?KDPJ&E1*\$%<4;JPJT7D49PB _=9F M,2O;U-EH"CR$+W)RDD]%RFWL _Z.U!CQT=_*$C;$62T%<<22WD6?E=2=[1=2FCL10*F) ML8<:)
9Z2I/L"!QA@ _^$WEI"D[*WGSA5'MORUXX[^F3\\TM MMW&6,?V)=CV;0"5<4JRL,R/M1?)E:OADB>T=9[^*(H@F,,]#,C&MI6YNJ=,;? MDB]9]\D-%-NDCD2 'B)HBS2&BKO-
446N!O)E@:P]7CTPW>7#OY>/E%O*"ZHV6/U7RWW^WG3O91"#$5$4BE[M$"7 ;=X9/(6'.ON;[%&=/U: .+,FP1X!A5;>-[Y\SA+7#FF->P@/]H90\O$#7 M=BR@HKR!O1!75?>MOYP8"+,/*)+K??
86C]6GRMYAL&M&A2XU&0*U_]]&.BZ. M#I["]K.*R(:E;@N\=6YJNO(>9*F]&1JK>U!.8$,TF:TM-*5\VE8RC]C@H#Y0 M#X(SUNEIK-YIC*_M=R[N)PGP=2L(C'W;S 0 ^4)XM+5M@_18LM8UHU
(*4 MDGMS-P9 'Q &:BF]I[4A17*',O)-CG2_@^W>)P2'+WMT+AMZ 9OLCVX/[1]&" M/86TV#%$,>'/A$O:G)Z'B2'A+3'O--A/82$"0^0=SJ^2/>HVQ!0S5%_()H?] MF@
A\HYCQ<O>H,Y0;RPT]DNRVJ]+NG5\P,IZ/U55!V4E]l-T.9J"N)U?]_IQ: MAO?75^%,\H3%_O3NY\GK3^]^5&];;L.)BP9J^ EO4L3-*%(EAPL4P!;.YW. MX\)ZD>)VKL7*W<+\(-'@[DE&V"
()M22A2A(]3DEBIFE0(#XO'IP_4;/)5$V! M\Q]-IM._J/GDXB]AS8@L0W650!ME*;*[=+:FZ'T'0\U/O(MN8@,9J;I!-GD\0S*LM^D@[:\5\&;G:%LVM=,83$FI[JV-BX@9<#RF6ECI@V M#)BHGPY.]:C5#

G=_]_03C\$*Z6K,RCQ?@Z0B2$,> M[^1PC<)4<>PV:Y V'N22,5QIP]>WMF8=HY6"9* M4NGX&WFPN@8#[3CMT=6E9-IH#R[L@;MFR^F_-)@QX">%1S\-E!HVEE96IGCT MF_""GT?XDPC(IM2&?W'%[@Y6K,L=QXL>)$-^]J&;\'- /$&/(=,@W2P4,T>H M#2!NTV&S:P_4&ULG5;;MLX$'WW5PSYH82)I=M(L&&S3M[L-B'OB)MHA2I$I2 MTC)E^RZ#K /B45]+F=FSHSF;JW--UMR[NA'}96] [I?.U9>#@ /P=?VX)E\)$]:?_.'C\5U/_& N.2Y\Q88?I[Y>RZE-P08WSN;_9U+ MKWCXO+7^:X@=L3PQRl]K^:R M(WC,&^MTU2GC7 G5_K(?71X.%&:)3Q2R3B$+N%M' >4=&-?\0 M0@W:
">4+\JC,W&M.6>#P;U-6X342V9B$O>$N MZ&&P-WXUZ(==T+]L@Z: ;IZL,Z#+W\=";RT/CUOV+711:Y;SZSYZQ'+SS/N+ MMV_22?+=N!.[0=?HE/7 6.R3-H\CGL7TNB_Z4G)ZKZN;JG<\[PYI MX,JP=WY3Z48Y2T+!DVXL;-@+.O^J6%,(0+CH?<)51+>-D 406'K+]OH=?>)H M]5++@CY6P/',O4]+9Y1&23KROUDT&6:]>Y;7R*C9T"1*IQ-*DVB>S'I[-J71 M/$TIB\;SM'=&\RA-
4FAGD!ZFO4_'GO_C MCX[Y42%LK6U+%:FKB3BH24367U6[0GA$AVH:]LP!QK5P)82(K5:&KY#U M0&;_X:!G)IM O:-T&$\P;Z7T=<"W+\C :%_&AV#X/$&\)/0*Y5VQ$L%U(X!./H@]8%/3#$ M+42V9A:2:!!H+ 4N&*"MR7'EJX%+#3;5FV E!5\V*?!A'^%VA52&Z&C"9W_M/,?'TOB$> G^HQ:FY6'7IB'_6Q>&=!?VMG O'97,0Y/<.20?!G+D0+BV#T&^ M7)9M'J?
C!#R9(9]CM$\\"@_(Z3W;T/08)U!$#FNPY5&K-H106ISQP9=@1!7* M*-"RN480X%]'$$OG-3-N^_8DG2]H:705?.^+L"N-9\69)\&)6)AB?V 6\+U]_MDMJV3,D03R<3;P.;'0L,G<^QHQ0^**'0SV9#
,$'>V@#WX)9VX91.I[B_W@^ M\;$"-\.?TBB^]'/5, E(ID.5ZZH2KAWH6O6.P3))BYB.? M?B!ZNX_M;G?;[$V[Q.W%VU7XGIF5P+B5? G5))YBD3'M>MD>G*[#2O>D'1:,$ M\%AB(^?
&"^#]4FNW/7@'NQU_\0]02P,$% @ -$6:64[%\!QF @ @ 4 M !D !X;"]W;W)K&ULE51+C],P$/XKHX X+4V: MEGW15NH#!(<5U:Z ~+@)I/&6L<.]F2[RZ]G[*2A2&TE#DG&X_F^>65FLC/V
MT96(!,^5TFX:E43U;1R[K,1*N(&I4?--86PEB(lV&[O:HL@#]%)OFB27<26D MCF:3H%O;V<0TI*3&M0775)6P+PM49C>-AM%><2^W)7E%)O48HL/2%_KM>53 MW+/DLD+MI-
%@L9A&\^'M8NSM@\$WB3MW(((/9&/,HS]\SJ=1X@-"A1EY!L&? M)URB4IZ(P_C5<4:]2P\\E/?L'TNG,M&.%P:]5WF5$ZCZPAR+$2CZ-[L/F&7
MSSO/EQGEPAMVK>W55019X\4&'9@CJ*1NO^*Y]\.!X#HY 4@[0!KB:AV%*%>" MQ&QBS0ZLMV8V+X14 YJ#D]HWY8$LWTK&T>P+E6A!&_TV:ZQ%32"<0W*3F)C= MV\19Q[1HF=
(33#=P9S25#C[H'/-_\3%'U8>6[D-;I&<)'[>P"BY@#1)QV?X M1GVJH\#W[@3?"@OD%'-8&D?N I:BEB24_(WY!:PMUD*R(`0.,:5'FH1"PDBY3 MQC46X<=\X\CRC_3S6'E:[Z/CWOUPW:I;9#B-
>'H,9F]>#2^3]V=R&_>Y MC<^Q_U<;SS(=C _-F *<\G+X0#DP!W$7":L,F^U:&$]\PZ[3#H!V!X)7W!GU M_IFI:BL=MXH)MHVP0A.B S*\/.I:2;2!^S4D@S0\QTH8'TO%A78;9M\Q>:.I
M'9!>VZ^7>3M5?\W;W70G[%9]!PH+AB:#*_[':#OO[8%,'69L8X@=G@EKTBT MWH#O"V-H?_.^]4[^P-02P,$% @ -$6;64<;48J, @ VP4 !D !X M;"]W;W)K&ULE51-;]LP#+WW5Q!>L5,1?
Z59VR4& MDG;#>B@0M-UV&';0:286*DN>)#?-OQ\E,UX*) %VB26*[^FJ4.1TH_2+J1 M_MO-5"FEE06=OAZ;1R$H/]D681-$DK!F703;U ML;7.IJJU@DM<:C!M73,I7:!0FUD0!IO (U]7U@7":-JP-
3ZA_=XL->W"@:7D M-4K#E02-JUDPCV\68Y?0$WYPW)B]-3@GN5(O:G?SH+("4*!A74.C#ZO>(M" M."2\:?G#(8K'7!_O6/_ZKV3EYP9O%7B)R\IM-0NN BAQQ5IA'l7F& 9^+AU?
MH83QO[#I15WC'+LJE6 M&] NF]C'Y*J05]RD[9(3A(^83."-+J)\$K&) C2P6KJ M^2ZΛ"U[:|IOM"ATRX2!7 /<6$V/X_IC1-1)|/Z!T/>L>GV/^K-">9#NN,HQ$INE'0;JOK?OKFR- S\LJ+IB]HET/E**;O;N
N&>9[] M!5!+ P04 " T19M9O"L08T(# #'!P &0 'AL+W=OON-""(0%2Z\MR[,PVX*0;6F!%@[K=GFGI MRB)*B1I)V7%_?2\]67.ZV$"!O8A?]QR>SO=2?=4EHH'G2M1ZX9?&-/=!
MH+.2*Z9'LL&:5@JI*F9HJ+:!;A2RW(J<1A. DJQFM_.7=S3VHYEZT1O.8G M!:JM*J8.#RCD?N%'_G'B$]^6QDX$RWG#MKA&&V,Z5Y4C0*!I:<5UAK+FM06"$\ M573_,+;Q+N OCGM]T?
K9"/E5SMGX_\T I"@9FQ#(R:'3ZB$):(9/S3<_K# MEA9XVC^R_^&\DY<-T_@HQ=\\-^7"G_J08\%:83[)_3OL :26+Y-"NR_LN]AX MXD/6:B,K'DP**EYW+7ON\W "F(9G
'$/B)WN;B.G\BTS;#E7<@_*1A.;[3BK M#DWB>&T/96T4K7+"F>5'4Z*BC93"VH#@;,,%-OSU/#!$;X."K*=ZZ*CB,U0S M^"!K4VKXOX@O$JZQ&4$2WD(A(XOL?_EUH M%(W@[!ZPTB
+H.0;K#84>VLJ+GDKT"Z=Q7LO-9QN[5VO*MG61@.OB5NVFL3I&[C^4K,VYP;S&V^5 M9:K%'/"9*I@F.=?1#5O!.DGH.TD3KTN!+J4R;RP]"AIV8!M!D=,PAO'8^\R> M:6!MYZTSU =
/)M!G*;>DY([[NH3E4=HZU;3?CN6,5=OQC#VUC+C3(!&\I?- M_8J6=$(43N$N]#[N4!DJ<= ./#.8>9^E(<@51+=WT]2U89)Z5OU_+#&%I(^) MPS>;9;I/L7Z98/8#ZO_J_4N<$N:::KLH5-)I&.&
FGU"N*QS7@X&\)6U0K5U3XC]MRE-79T=9H=7;M45YW_#NR?N U-;7FM*5D'0<'1' ME4IUST8W,+)QI7HC#15^URWII45E VB]D-(U>?@=02P,$% @ M-$6;6:JEBRO\[@ +! !D !X;"]W;W)K&ULM15C;;MLX$'W75PS+,G#ES(WNZU.:!SJ1T]#3"WO6FCFW..YV;3J3B$+ M?)EH,Q<.KV;:M0LC1>:%YGFW%\<'W;E01>O\U* _=F?-37;I<%?+.D"WG M+V6NEV>MI%4O?%?3F>.%
[OGI0DSEO70_%W<&;]U&2Z;FLK!*%V3DY*QUD1Q? M#GB_W_"GDDN!)DSLR5CK!WJYG)VU8@8DR3QG18#O3Z6SU9AD MP=7G6OLG[SM\&0LKKW3^E\K<[*QUV*),3D29N^]Z>2,K?
X;L+]6Y];^T#'N3 M?HO2TCH]KX2!8*Z*\%<\53RL"!S&[PCT*H&>QQT,>937PHGS4Z,79'@WM/&# M=]5+
YPJ."CWSN"K@IP[OY5PR9YV'73Q2C>MY"Z#7.\=N2/ZJ@LWL_1'DW_"W'0MR_=9"EEMI'F7K_..'Y" ^V8)]T* ;:-.^!=56N<+43R3 M+)PTEE3A-
*%XC7"JF%+.&TE,C92H*6<)!4T.8B66]00%)G*2U@F'745&J30. M-4T:>PS)?TJU8+G.FJE,PA2R$@C4!&(DC!"%U%N@% D"#99$;=P!5"H77(YM_M6LY4.B-E/8B,S:)
(PR*OL&++P/B%51D4,/17/F0$[Q@G?VZ\HA1N.*"1!=Q+ MI1CGD@P7I5D6];3A74\'V;7!$P8_4>3LB3759>*Z8FE?,66\;\/,2^8X'\OUK M7T_VF4!AK72V3=]>\9TK,5:YUS=#\\<-A+QF=
M6*:!ZEPQ61EZ42[ )OG:ASO?"OHDQZ9$;Z6A+Z.DO:HEY(7,(I\8XG5"T/C9 M_Q1S(%R:5;S.;!8Y2 ;Z4PS;$3!.B<,&ERSNZ 1*=/M#M[176Z%KF8L$Y6JN M&&OMVW.4;E$*?[) M7@?
^W3C6QMNUB7KA)9 '=%T:55'O9C! \S -)4]#PBOS<2>?[FK,.CGAUO:D<_RJ$Y"&=L', 0));B7PZIF#EG7Q<* E"2<$-9U52-AJ9P? M'E&=G'5,;[3.Z$Z8!\88^Y]V53\C9K$F@M3X0L?
H!B29F58)X4H*>H]H1L(W)*2<0<3S50$]9LRS M/%'Z_G;T+DR>M,4)VM/&^>03PME_&/1=IZ$R87BV>[?K$]ZZH9G(_$1R M()(58(R#N'H,HLUA,//Z#HV&HHXCK]$_A]W=D
M=VC0&2$/1Y",N0@'=,';Q)LZKNK[6];5(ZKF]7=P'MU&M&EA8MV[SBZQ\4P*W-? ;]L)FI.1MGH0(_I;"A-O#&]X& MH+X_Y*A',&+YKCNL9!-4/$(HL%?];I(D4/%RP'M+ M]0XEPR/:=
(WHKMS@YM), 3V5#WR $2YSS6IS%;X(-\"7[>$>C9XUY5-W+B<0 MC3LCW)!.NJN&%Z<7_CXXU@ZW2_\XPW5>&MZ [Q.M7?W"!IK_(#C _#U!+ P04 M " T19M96@E7 @($!5"@ &0 'AL+W=O-
=]Y[F2%M7!# MTZ!FR];86G@>VEWN&HNBC$ZURL>CT45>"]+9SC M#2IS6&1%&W]E?KX2KO*AXE\,6_$#N_0]6L+8 R']6D&K4CH\B=I&MBNN;:5@? M%_O->'#/OB$HV1CS$:?
RT4V"@&A0ND#@N" /=ZB4@&(P_C6868]97!_GU" M_SUJ9RT;X?#6]'LJ?;7(KC(H<2M:Y;^:PQ_8Z9D%/&F4B[!P2&MG%QG(UGE3
M=\X<04TZ_8MCEX=G#E>C'SB,.X=QC#L1Q2@_"2^68+=^_*RY&'_(F/8R MIN?0_\^"GB5Z748Q&<(;(X#/&J31NMNN!_(5^ KAIG7,[!S<]4I_)Q)DLU.(1-@Q:_L/',K<;
M<;^B]2+\DY5M[:S0DAE(2]5&X=2E=A^D.;+H.$O:A_]7@Y XBS+IHW^]YK;(MMZS0_;A&NPL:;-@SB@JH^'M6RTTH%2A?EMB)<*!(K$A19YB_'O9AMH%,4\;
ML=LB[!]=C8O+CXY5"=7&0$[E?%G@U=TM7!6S#]/1AV(V@$-%LDI+2B:);2WZ M2I*+#49\,IYPDYC0FW0]HPOZY8X/=JZ[Z<3FL5O+5F,.SF6*^:F _VN26+9 MN3 -RI2-
5*VT:SC&-.SB8T#23=MC;059"'G [T.(:1.PI2#GE;Y,AJ?N;%FY M58^A7*E1A_#:;9 _N^IC6X0'3<@.;[MTZ_>S_9MIE9X*3\O3@^N+L#OB4BG< MLNMH>,DWHTV/F#3PIHD/AXWQ_
R)GQ6_^"&!6S?&N-/@^T#0OR27_P%02P,$ M% @ -$6;6:E,Z"D:@ &"< !D !X;"]W;W)K&ULS5I;;]LX%G[/KR RLX,4)VMA,EOA[-U>NL$HF/"E+K\91-+ _*I,[/7S[G>^_M
MR^>F*E.=]_=6N"K+I'UXI5*S>W$^_]IO?-";:4DWKEX^+^1&W:GR8_'>XMM5 M(R71F+C7MVJ"-5!4.-SD'G>+$D3N]>U]#=L.VQ92:=N3?J'3LKMB_/%N4C46E9I M^<'L?
E+!GAG)BTWJ^+_8^;%CK!A7KC19F(SOF<[]I_P2_-"9L(A.3!B"'6/6 MVR_$6OXH2_GRN34[86DTI-$%F\]SH9S.*2AWI<53C7GER[O2Q)^V)DV4=3]\ MMQB/KI^)UY\K73X\ORHAGT9=Q4'6*R]K?
$+64KPS>;EUXG6>]*0__PIZ-C1\5>*>*H9A$ S&.QM-'Y$T:8RG; .\X;O1/'KVB(+31L'I8]* ,1J/RCJN1A-A^+T M*N)N!S%6W%3EUEC]ITK$C1-F+1")4F4K99MP#$2Y5>+69(7,\16)D*VDZ0H
M32E3FCF+1H,HBN@/UU%S'0WQ?R1&^S<@,.-N91W%&VLR\4:M; 7 $.-V96NJ MS5:\DS;>BO&BOH^_Y??#/22KZU/, M*6FT!"C2\]ED/URI%][^2#&$V.Q3?&9ZI*7J@[@\:\7J^ 0@((I/P\'_Z\
M8H]A%>?SZH@^8JO21*P>A)*0)8_S5HN==%@WAU6\;@4HA-*Q3-,'H?/2\$+M M$CM,4YV%>HNHSQ7TP9P+_61OGG:N(OEP,8J6*W&A\\TI0;6VKMK35F>92C0< M .T03F-%T/!(&@Q$HN\U,)
(D76BH-(F&XAD%RQ>"L$]*) 5M#>4MSN-&2LE5[,H5P:"L(UD=2Q4K[_$*B%<:& MI[%T6U'(!Y3GDO0*28V\&8K?CNL$FQ.1FO)8@52AI%*<.,+X-(+G* MII4BUW=2, "5ZX7#+V:I\OI-
C7N=:HV/G(TO;;_EX2]D.YTFI(KJERR0CXL M)SSK5ZRWA79=U(,+.5(]S*/AD)HSJ4[8P+7.91YK$?!4>Y M.#6N(F7962NE'8("=B[EM(% I)FCC! MM2&'X*&X\1*!JI_ !G^%*$L[X69C%:M)& _Z?
5:X"$$_Z$$%"+&#L4?H)<[CK/X06;%,ZPZ'(B??[Y% MICOA9 I7@4/N2]UTI W(@JYTMM8^N:BE8)OLNXP9^A M9-& &Z49I8V*ED#^LM\=N1($KJ/='=5P5T ^.5I#F!P^$7A.D#$[-XA! MZ4PFBO
&]"UW'JL<1I/*0*N$!K-!]9/1^-L@N-]IU,2@4+!9O#B@$V,@7%N,Y9/"76LK+F4X=H=37OB@DH M^(MTB?PL;F6AJ8+ZW<,U&QOU7NJ4Q@9C '8QY;W?HBUW=2, "5ZX7#+V:I\OI-
A8/!W]4!KUL,?^N'M1K6) M* FEJ%+L,('5=Q60C HQQ>?X-"JLRJ(3HM3L/?+F=/>%S_5V>%4$+]>WP@X^ M3#?XHJ O)=M'/$_G7GZPJ-Y%H307E765Q,10]/=1@(*G3>5 #M:-:MT'M='4 MA+
*=W4AH"R@9E/<74[$Q1N,!"M "S297(ZO1Y/%/HE/]AWG:YQ* ES5\"_C M*5P#$^1B+MQ<'RH 956 QC7NEW'L]21?=899E4(QW.O6D\'SJ]6\RZ>[U+:W; MK0M#D&4,)MWJC09\
<53FG#.QYJ1I4['o$\ZA4HS4:QW0*4ETX!V%U)X'A?U! M<$6:7*3DMIS34Q'Y4?)VOW_6ETNL$$J^@X@]1..D.\ @UV?D&:.J]=PUU\ M):>MCJ21'KE===EZS:/*3]^[["AHI1Z2P0 H+>'F=[KRH'F'+,
M@U8AA_N%&*ZK,I^V!T)#NO)&N'EW^[9)4)A;$B MS ;1?"DFTODZ.7$]C^K+\7P\&%U?\ZT%^HO): HJ$?OMNZM56RG$B5RK;*R= M7*6JOP9A!2*!.!VS[.D9FP(H1W;X5H RG(*-T JRV?-
""YP#)YDVO?4>8Z; MA^P:FI:2D[';)\2\-U(&\6YS MZA -Q=MU?V.I2+]C>48LDX*5%3X_,YF#GF4- V!:2Q--49<:;2[499A$YK4F[M!SN-7@,#0F:HHPOB>8)R93PBA-
I/70]'D8%AT"OV+K9ZY@*%I\SQY=A1=]-YLE L-L#..H_ SA89>Q&YLWW3-D-66 [C0D>#,5/9D<= MPZ"O* >,=D176PHP&YK[/.\E4&>#K>C8%QS:[;ER2/A6 _O@> @(V,FPD <, M^]Z1$LC)
,XX%38/MNI&U4/O37J/B3/BK59DQI[7 TMT*DG"J9+WL] MMH.:3+J6&F(IYER$P:JD-",ZTZ%WGW3NCQID9BK>MJ&_1LD(+72H/3M]:\DM M9#?#^%C.WUD/2%>KS4=6_-)$6SXI/RD^D#
<) B^K:1!I_H2?G@K=_>(U8<1,?5$'=N[F[%=!'Y8R]<+T:S/@T%4*0/?X;R1?6Q M<<&!JCF59=X6(.U[@Y*.1=@Q1IZ>HONGY-F?:+D[Y5?*@4T)0W1 MZX)2Z+ .7<45Q^-
OJO\=YOBX7$ZCR_&,CAA330)\%P!Z&#*B3I/8*Q1<61![MHV7".?/E*TEB2550)C_T?4I-FC]#YW?HNDRIG7K3;1\G.F2K,?49*Z\;.@G6XT MPKF8[4C;&M!1!U/SH)1/VJ0V8
^2PHXDV111/O51J)(>[>MJ?"]K)F3Y@,7 MT-*SOAA"$) P3-><#6U[:$_>@POI6!4WOP*>S9#=7T#NB=CD53I>PD<'1:%]]G6J@R%" H3(E&6G4 M%D^V1.;[%*8Y"2\YLNU!0HCFZ<.K !I).!-
B8_MP6)_P^ESKQS"I M@QP98* M7_JXAN+,+PT).)CKU^&>X((W6M'$RL)\,1ODG;L E;WQSLO/XZH ^E9Y-8 MC<_JN;L$,ECXO++B04GK#L]0P'Q0DV_^ L$^-QL0+)\!=Q"0VDDOG$@[G6M>
MTON[[AKM:Q1FODZ71$'L/87*']XV>]O'QZ?O38I:!O'BYFL?V4/*1Y2^54Z,YXS4H&<4>7D+Y7T=6DT_"N!?GIV%P/F M*G^*V*[!0OKRSWZI=\;9' S>'0 >2,3X=W1S+)93&#]" M?HVG9[_[X1?CT6
YCL03>C*9#D?+LS?&KI7FAR,\G"[XX7(^7$[WESFTB%Y(M1N,YK[,87L\>?YE*[O(EM7^CX51\@&3L2I+NT_)C3B3Z?X"$)U:Z'*CUX>YC M>TA]%!V']8M O^UK?*") _0Y^T[1JAP![#/1(
A_OGT:Y@=@@2Y"G!O(]:O>0UCXR@:CEH46PYFT<2CV'(O7,YZ*#% MP9KYA^/Y<#[;I S V&A&,C:?3X7SR%V&,BLFQW\1<=7ZMQ TK_2:+N 8:8O_# MI>9N\
[.O&]KIW:X .\W8.VDW&F4F56M.C0"QYWZCUU]*4_!OGU:F+$W&EUN% M[+8T , IG6O]A19P@:S3\K]02P,$% @ -$6;6&ULK59M;]LP$/[>7W$*"#&I:UI: M:F6TE;H!@@]#T]K!!\0'-[DV%HX=;&
<%?CUG)^U:U 8AH:A^..=\]?N[./G>\ M4?J;R1$M_"B$-),@M[:\"D.3YE@PTU,E2EI9*5TP2U.1#DVID67>]!!A$D47 M8<&X#*9C+[O3TI&]K. 2[S28]BB8_GF-0FTF01QL!?=\G5LG"*?CDJUQCO:A
MO-,T"W-V1N#\V2IU#02$<$-'XWF &NRV=X?YXB [.^TZ^+)G!R4^\\SFDV 40[8K5@E[MKS;OL?%GZ/!2)8QO85/K#BX#2"MC5>8X."RJIG/YHX[!F,HA,&26.0>[U
M1I[E&V;9=*S5!K33)C0W*YZ;R+'I4O*W&I:Y61GI_?XB++"<6@)S(G"M#&\ MK@V3$X:OX%9)FQMX*S/,#NU#(K%CDFR97">M@',L>]"/NI!$R: %K[_SK_.Q MANV>P4JK FZ(JZ830-
&U.=SXN**&+[.E\?*OQP)0X_>/X[O;P'^S8#]K0V_+2:GB<%L3#'FP#LNVY 2:9^/D+,V &5DK0 M#357G3E=_*P2"&I%U\[K=A:Y1CS(.%"^+!9+BJ)+VLL'R;J,6\S..A^)TJ'N
M_NK+6:$[:0UP"397E6$R,V<^ZZ[I/XTZ"]^_AZOP]7(LV=IW[0YDG:8%!J;BT/AE4 M;$_[?\O>/5+VO=EY_?VG4,]\-@\'F'.S2_'-.F\P;<2O%_>[,.MH0[M/;:LK M)
<*@]7B2"XC@53LZ_!NZX&S)!06X/H#D3"^!]#>@7PS'RD"X5ZHI"PO (!D" M!!S757LGW;UYLK4/ZG7#^8MTVLN#0A!7#+3%H@4" M2U8NNTUL W*RVP;
(MH&=M@]%/VAI++%+D=HA9TT:9SK+M/4E@VVPHY,AYIOUH9:X7A+=6H[0E$%I5:E M>99=I*V0.IE-PMD]S2:F=TIJO">P?=L*VLU1F>TT&2>'@X6L&^W1/OT@&EDBUJ*XT&PO4T*
<:7\S,O'P3^D+BU3]:@/5D9\EO;JMIDGE" MJ+!T'D'P9X/7J)0'8AI?IC)8-(K/ET2T#\&\WF7E:!X;=2?GV

M[=H\-_2>P&/9WLG[V?Y%&PO=V]R:W-H965TDI+MM$G0 M8%\LBIPYG#DSAZ*/[Z3Z5ZY-^2^KH0^&:R-:8[&8YVO>*L\(YU=4XCJ+IN&:E&)P>N[DK=7HL6U.5@E\IHMNZ9NKAC%R[F1M!_W$UW*U-G9B?'KG266GMG\$?) M[_3.F-A,%E+^:U\NBY-!9 /B%<^-16!XW/)S7E46"&%\[S 'FRVMX^ZX1W_O M_5=K_DSMM.)@.2M]K(MNG-&!'4I_)/==SSL,&31,PYQYQ"
[N/U&+LH+9MCIL9)W1%EKH-F!2]5Y([A2 MV*)<&X75$G[F]*+4N12F%"TOR)>&*V;)TL=C W!K,LX[H#,/%#\#-".?@+/6 MY#=1\,*Q_QA!;2*+^\C.XA5VFA(F"8*V1 MFE7D@Y)MH\E?
\X4V"AWS]U-$^'V2I_>Q*CK2#D,>(NEESLI059%R*%3%4'7B7(4!BU HO/*R M*ITYD4MBX) SI1ZL/:ME:PV[^9K](Q7)*$ZB@U-Y-V8'PU +$ CBG]2K$;C]S& M8Z1#,M*@<*]W9[]/'O.E\-%*-* 0F,!
(RZHLF%U=L(]\G!,GLX/@&B=CT2)[MH/^*1S"<=\F[;62K$;;>)Q<\Y_6"*Y+0,)B[!()SIMVO&658WB/ M)-,XF>YAP+=`&LH0D@$#F\;9\$Y\K1=V[-!X^!2W,);*!#A(>)P@NDKQ1M6 M%H3?-
S9Z3YP$!:A)JQ1<-AAA2]>PM\R9AY T2,PX4TC&CV2Y1]W!8ZN%&L0#NR!\N(MA:%A-*/!!5]R[&<+G,L:_:MD358**8"./I3#+7&[O4/#:42[R'O3W?4LPZKO M)_1WQ?
%M>+2>9L"GR9Q$$RB=Z228C4R7-6V1GZ+[=2N_31+.H)VLD5Z;9C$ M";EHE=.BE<%:<>[J(]!T4OO#F-O#F. H-1UMW7D:.DN,DM!YG\NZ8>+A[9LL MIH?O=*\38$,B^,!I*%\YRT=R
B4^H.&\L'U&;GB^%K*2*SLY'U^[:;]U#PA0 MX// U>]!7*V12],@5!3B4N0'^T>/=/7* ((:E_ZCK(??!&N+$G+<)Y]_XF1G M]5&S?;N^^*'G+%^.JNTH^,]14MM)X\,:3(A^Z[KZ"3&\S#.K&!#FFE
TES8V M)>5]0!:-8E@/T6#IS X.Z=0^TG 2X3W 1TC;PTDN2T/&9%CA%:AK,) @G.H4$D M8S/I)> O-U9;G?AL ' ;D=&NK*P'-LA22[#=*79;)/T,S<+,$A.\+X4[?_3 ^!SZD<9BDD2.N'XV" MCY;D!8?"-
O09=D^&63B+?!U1QM05>#.3A;%-N&\^V/L.ZDB802F>!5?!O2W8 MGH?S>MD VME9Z&7TU#5IO'/%1=.LW$5>$_SFO\+<7Y&WYOZ/QB>F M5K:,%5_-3HXO(U1^F8X(6+.+[@(YYB#??
7R/HS=O3%DD.E.W5K@R3:5=7ZC$K-[N#?;]!W=ZOBCH0>_\32[G;]**W);B[M> M3276JN30"1144$4 M)Y;JK%*$B($;X&FGLU2]K8OJZHOV/=H\Z+A9O]T[W1*QFLDR* M.[/ZH((^)T0O.HGC?
\7*KQV^VA-1Z0J3ALV0-69_U\^!CNT-ISVO[%A, M66[/B*7\61;R, (TU*V%1:-C1!:O*NR&]]0I9>]*)"X\"2&WR#Q2ER;K%@X<9G%*M["47;J]\Y]^&+SHGSTCZW$MZ_%SU+ _/\^3&
Z[XJG*GS+Q*2K.5%DQ./&F M[8ABH<38I+G,ULBPW-A"Q7@H"R&=B+6+$N/P!'HNM2E=LNX(9-*U7 O:[6G(M+!:C2TM")22%G,[%/*W[ZX70X[)_Q$[X> MG!T(,Q/W>'V-N!G===\"T7I#_!B_/GL;+
<^$2C+=E MKKHH. KOA4D0UR[0%Y0.Q9K$W/lQV#E]^4J,')1!441+K-+NJ0U\<@3-R*9N M0RL*_>,3$][M&'BR#%&VT&HF+A)55!+N$9]FJ'7*=A"_G(W^_3L0SR(MD^8]A06'5$>HV4PQ
M:A(Z356LH7*R[HIWI04'UM=):`>%1!TECV19 %V<.]>VVTA7.V5CURZOU=;Y M$247]K\..&-T1O'(-($BQ>0D:"P6AAR<51:"],@Y*DSDZ*28C)5*9D_F) I M=TA^NI-
QK$D*&,&:A)U*/*Q.1<1&4K41366DG9:AT"YT G89T.@W',!Q6*G1 M93T]%5X@[>@M1)?.4%'2V5(A\ZRW8TKAL5;2.B\CO>,XH#HW+1WJF$,1?*2$ M5AQY[FA:@<\]/2%?
$75\L*#0/00F(.PZUQD+Z.9KB\MV)_+-?8>"!FM(QX4D]"H4+\\@8(+[\Z164F.&?8' V):88/^X*A#[%?> M(20!N:?QS&@[(R/%6.;Z@"^N64;2C_L^>5A"\"U&)_F2UHQ1\!]&PO(B[%.C MS[[92/$^,5.9'%
[+R]VIZ9S7?KW#$5IV6<[S4E;JQ\?(1A*N%O.XV"*$4,A8 M4"ENX_8T<^G8WM>9!V<-8H938P&GPZM5+SZD_;.R2M66:R@S:/*+^&8A MTQ:OCKC*HH;8$='A6
MUX>91M]@47P2.,KT2D]>>V\>UJ8=T=QBI;CH3KI-W?PM0S)81]&%[C5*IA34 M3)?D_0=B'71O30(=47G%).)09@8H%U0$\ZB"G9Z?(V;Z G?S61ID]*N"P&# M3*D6\))]\G";(B*96[VD^AYQ2=
(4VQ^48+CO:XOV6&23P$2O,8)A&IH"L07W M[-^,)C^//K\6DS_O1P<=\47;7#Z*VX6$!)$]64NWO?C+W>T?6#RYN\90A;@N MT.A\)FP1O;O&LH^?
[\0'PQ5[\S5>$)72^>@'+67G:Q1:BP%K_]/1^/,%:-S< MO3]@K?^8-/V@(C6>7+[&"V!!8%T+/^ O9TKJ2(ATOK@]5BN/^\;[DR>-.S4NODI@<_KK9NE_]0:U[MO+ 8$-"Y?
Y7N02Y5HA$'OFN$FKRNF\:VA?Y]DX:D-Y"%B^M.^%G)5[6!IHC= MEE0)@"E'"C@B0G?R*E-[4CTH@D$A!1O=:&NA 9G*N]+>TO&++# M;3?3N(./4ZPQZ&' W8I"BV&RUT UV-[/4 M?9L9&1-Y;ZC"
-4&\2AZ@!\WU?"E$7#@D*H9HGII$BY@-/>3$!'';0;RY/4R#S5N&YJ%<1@]:6,YB[*25. ME0_P,&L,#@?-!#6Y'/L;Y&O.B0RA(21/!"M+=L@HSX,9IY38"&^; ((=JR*- MRH$" !&FZPVM"1<5CJT*
7AHX7+2HWQI/>3994G(?LM:\#1[&>3K7P816RD MP:NC(YYJ9.IGI4V7MY?7,3OS\10I%;MM#X$DC?@)]3&,7?&O?)!NX2=A%+]\)6Z[8HQ:(RMQ?"4#EW&" M64)<7=7%VOFF&DBL"#/P<5?
5^:@[8F+RGN=*7U(@5B%-$(6?PA\+]>LBMK7* M_$B/>7A%Q.9#6X-CXJ%W&2R>[7GQ::O6G7$R]-MT(WO'D,OI4QEB$X#_!GV MABSN4H2CPV@>684<,N\>4G=OO2TL!#DTZTR$OB4,\9Q@
@S]"C2@[@38A!!&@[MK;M%DM TR<%W;W'Y6'7EK/?0DWB&9D?!>5\QH/#:][/M:W$_&M\?>!08^/E& M0@4 T>XM1[H1V='.:H"(N"_CD@,C:7KWAS-GNYIO57 (O"1I+$]Y=.NK3 A M#<@35?
LG=<#UUAI4(@RK\.W$S(H5D 3!SD3:N:HJ'\N'8$["L9QP864E&_5Z M68:)'2#[.(;_A"8!#C!G6+2^T:P(24QB\)8D\LTV2!$B&NA,\%3X%(3.'!] M2=9H.VW3181*.$1V&5^]^%^Q^-/E=3V12"!#-
+BOI=K&].1VAM,DV?>.7V0K M'KQ:8TU#EU$Q%R\4M9(Q#M?)ENCO]N,>3$]B6)DF:AFF! 6AS^@*-1*<#\N\ MKMR46'8.2O]LLAW&+]LHYF[3S-%A;.CF;#&F!MIT5N;?P/9P*IPDPX&!XC,[
MC"0)VOFCU3$?78D+9=%J8O&33/.S\;O2R4:T<>;.K8S+UG%,:\3 DVN-*W: MZ,6(#.51;J@&6V6Q-8:W0] *+K&D$T.9#C;JU-^<,&J0D^95Q-/'A@F=9W0&6(U?\)5849C*-T1.280>D\G"?
5HKS,86%)7"*45)4YQZPTKZX3\ M 7B=0;-HY"V=";G#@V2)+Y@]"IABRB,2:X5Z$..@KB M/_(HAB&6H^[);=U20<0&O: !$Y\;/OC:%#-3[%R-H1##]0ERI\6]JZ732")^=LB^9HR0^+ M37O?
==C=2]-]?8#YY3$BFS]E<.?L6]U;#|"\R%G1I,I3P'5D>KF1X\7_1/Z MZ#$\V!\=G($-^&@NF@$VP64])S0%YU;=MH)ZV_@=4.^;/*;T8>6,C0TFVURV MY6]..3AKBTZ+9:QFE49A-
GRY'Q_LGORP\#M&Q+ &$3XD_D]^"&;Z7 IBZ[O M6A3->5 %FG"K0E_(8O[>4YT\8 $%IA][^6ZQ5WS[,@">>/886N_^)D3UC_:PE_4YB T*5\NN!O1 KR?&4S2 MX888U#]9.?\?4$L#!!0 (
#1%FUDZIL*>3!(+PU 9 >&PO=\]R M:W-H965T-'%DB]5LA-O M?,K,\'LDX>M?0!G0!+KX0PSF)'$_/K]NAO S%!#.CF;AiV*(W(N:#3Z^G4#
M?/%0E%_=RIA*/:ZSW+T\6E75YN;LS"4KL]9N5&Q.CB>+HESK"I?E\LQM2]-3 M'K3.SJ;C\>796MO\Z-4+OO>O?/6BJ*O,YN9CJ5R]7NMR^]IDQ M7.N[HJ7.B^(K7;O+7QZ-B2.3F:0B$AH?]^:-
R3*B!#Y^\'T2/XIPTL/T]4' + MB\=BYMJ9-T7VJTVKU67SI?I89#:QQJGC M\,WDQ5F%J8G 6>*G>2W33/=,Z%*S#^%A4N0. DKQ/%4+F^L\3I3KL(->&OEE,WI)0H8MMK"G*N5
M^C*Z&ZG_N+W]"$?^K;:8$#:@LBE*8D"O26N.&,/[II*AF=5SF]G*>E*I=4E6N+HT?@6D9YIYWQ@F M2!.ES(Z_Z%TMC=W'4FGN35Y[)LPC(JG#15]79&;-(+K:F-(6J1NI?R!20=#Y
MZ;*@^X@XU@W:TC+W.JN9+:+0E=E_U^F2V1I""TE6IS)1X6BJC%4&8=.X)BZ"_MS]|919U!!/>@ \6I2N=+.\^.%]"0F4|8XW5%8DRT6ZD%0CK>+XNURHI\>4KC MTR!3S./]#2U/V?
5&VU)4#7Y!CCA(=%ENB3];#RMF613I@\VR(6RNN+>.59^: MQ#A'(8H8T^*F#LM)C+W7X%%6;G.(NBKPVD-I*RBN>,A=AQ -S\P2VH,Y;&IP M,N21T1S(YT2]0R-IBO8P9vX1\I0DUI9Q.@243-
C(946A R_AH?W&EJM\1X6 M7*H%0DE1!FN&%.E#(G%6E7Y+0F52-,EB(F6R;U&@8'LEYRHZH-P0.)AQ%V-LY"D+E3>\1T:0!SMG6 H4E%J^,U(' M8N=%C)T7!V/G&YCN4-%?]1-
B$80@#O,)3$&/9.3\D(2Q>Z\UH" D'IRX/^3^ M1=PT+[%GFM83TM*V 2JRRSNIP/R%5>)67!XAOTN$=LR6 V\6W3/,:\T1JTE M<;/W.*A@_TR4&N -
'&/I&?D'7AP"6T*1WZT,AGYQO#>DLG4_2&K9)O!EW M[!4GC_DL&F*O:N?EN/4!Z;5T-CF]lFF4.$6-!P)VHXR^!TY/!?D/l7DVNI_@[&Z)X&7S]L@+E MU"7'HE,UZ7N<(SDWKUQ=C
=O_B*=![.A^,+\:%8=QECW>7A6%<:"$.]+Q#? M>R/6P>%([E:;IGJ7[_7N8'O3"[%=][>WKU6%F$<*R[^\)/3B=PK+<1/KW+ M(8.:S>6'[YY-)]/G7:+'GXN-3=1L>GERHSX@*P)R6<$:&X73?
Q(Ũ>LL/@G+A* MG<^;C#R%CICUND5:=),4J($"+(J@)Y$Y,YF3TFL#!7WJI,@V4F_KDO+ANBC- M4.86G_!RN#Z=C'FBYGHB$"4EX)1*F@/1) -PH%*,6:$)@:$R9I2&43*0F
"Y5A\[/WO.]\)4<68QY'5Z)+2>UIP^B5$"@"/Y8\ZH8R?&\& MA$1273+4>4+3YHS6RI0C$<] 8R)]@=:;$Y*:$!R NT>H$?VV*,$8"™%60?*" M$AB)K4VY#4LX0H@F7BV* #5/N+3'[LV$9I'-
E.:,I19:8A'4P8!7H.X": F MT2K\2MDRKYZ[;P> _O75!P-O- >&ZPB1J/2(W"@3LFAFD@NQ'B NYK:B7*^5T M)B9/@H#9I'52[1 D:^311L/Z[7]@RK@4@79:FFRCMU)FM:>-P$S-M[O:S,)
M(KR$BH8[+>Q<4F(8G_BAH5@D@@RT9Y%^HO/00U B#$]I!9+/O?S+6%>&6U+6A>3$UR.VTS M,K.N$($B+ -U/XA51%5/4(2TDH(P*.%YIF/Z[!",2XD!A66]-DA<:9$5R[VU M#3&:HD+
(B@V[G$S_1-RAL(@UWU#- ?9IB9E=6RG[ANU2)4%,]O5?4[4TF2^N MIR,VU_"8_L1IC=OD7WY@I$ 4+%&4*=['M4UP%X],=1=P0I:Y1T0YT]72^/: M)6S750B">6-D/*33MH90>A09:@Z?H?2I-*Y,?
%@N T:6VR%<2$PD@ M29@D:\6MK:>/8)(B 5UL:G^V/0/,JC74&M-=3$3=<>@\24%6:K\%\5E6:) M &Z,9H? OE4$&U<'P<8[7X+:?JAQ<' _U&A15*WO(;FWZHU2A1P3L^+\NNI
MS4\1)*E[,&!#)).@@$1M!M$'A^LTE G0 :3(B6JK<<-6;V= _9%Z5/4;L@ M_(4M7859AOX;U=<\5!P,=DL7.4ABR$ H+]0&Y?**PUB+:9NC1"=&2VXEJT3, MGIHO(5IRF>0O_-H"?F_E3(0T#K.
(DO>F7*%N9[[@2;]T5C20%=EN)ZGQ%62@ MQ 2_@)/ U4M*"W4I?<(YR0(L#*7:BNV++?4,4V![]W7H42D"C<@/ ! MPA4+P75B((&]2=#!=$.
!BF[Y!0"I49(P>SX"]E\BC/XS;OKRZOKY^H]!2XUN5'_K L*):OT)P4D SA9J12+ M"&/@-FD,D)I]C?V-=JA.;]0_YN0M]?S35V%=CR$F(>Y_9O#GL!,Z, [Y^@
M:8JG$%%2P5ZQ[JRY:D\G!L+L(\PE9I>]V8WZDA=/&&PZBWX/A0R!^K=51>TS M0),BJ)]%1#8LU:[GK7%3VS1%0)::[[[MOP-@!=<$DUD7J2%.0FHE\PC=*FKJ
MM0H7!F,MB54F6>7VMYKW5II$T>:!!"S+X]:L9Z!5RD2+BU;H6AO384.#9O6(M)6*&UMB517D$C 6O9*YH2%%<(>BPE4W'1_#\NR0)#P,>ZH(+%F#'W3?K7KU1_MJ&!/(2DV#%%,^#/ADI33\C
O)#PEYDL#!F-8",@5B9$!@*2W3>UCBNV*SZ>[M?K\^F/"N8*/(MQR+)!:2RY5U&L4>.I!H?.^='>0S)[68Q]MVC'!H+=]>L'E MSG2H;E*[NHS&:..W4G4WNE7'5(A/Q_]\
[M;OIX\/V&M?/GEW>CMEU]^5!]J MWL-Z2U@\#,%#>A8'&$+AK!A(E,+KLC1Q.UN<#QEX6]:8N9F8;T0:W!+3A,WB MHN:TJ(P6%8;$9<9AT"^^SR[/GZO):*S&*-Z>C<;COZGIZ.)O?LZ S'W)'$$O
M29+<(FY(EW3"IJ(!4>DR\!)@;3EMKE!#*^.'@/<'"%3G-@D;N 6[==Q%WB]MR8NK;5H62Y,S!,>&2Y4J"*>,? YT=^*K\MI)^(QU1BB6_*:BR(SV>II>BR8 M11*BV9!\&%
<)WBJB"I04E>F-I]IOI-'L]%8K"T H$P[X7%&3LP7M;J[RS#7A2< E')N>\ MWKH\T0:*A(M3";N??M.91=F<0CGU[G^\$NM8^!BU) \OP#//LHW"A\I#[MBB)N3YQ+9X\-MK#-EIS.(^!BUB;B;$5
AB]/[R RQ&]4LB$1.6=S> M(E:V3 5!\5[TSB$)0[F)K 1&FY*6H?TYUN]5DGEV1ZR[)4R,X&Z7?Q'YL?TH MJ(-<8@=>AP! 8'/O=:=&$:/\[PR<*4*=!*:-;2@>_;*XP]:TY_P90(G/OB2I1# MII53T?NM;E-
GSR'RDZKOU96:3M2EFG3W1BUMN'!Y'W,A(_RGPFG)3Y!W&ZA+ MLV*3T29 ONUL(;3>\GV0SQUM<'W=3%[LUD"8C;L#NZ=U6";U!F2AJBKS.?1S MIY?2+H%VK9A+GAT YF%A !2P-;FO]T
QPFDR)\7F)6/.:M714L$W3< U.7E% M)R_O#:=8N:*A$X+?T+8K4 MRZ.VYIDZI[$G[9-5?]9H86.T;740 DW&S:'*\4$0]*LN2X):[T.MU7MB\B"- M?@3TA#!I1OOS-M'"0O:'&.
<>6W<5O:4D9D'3["IA8_I18\^GDP744@K[FVH M.574+MN&;=_):#*PYV-#]1+0+ MQH&4%8/:;Z>2[!4I_3\(G^\;A@> /K&"W;>9T?\[S%U<\9I]_"8A,)QL;YW! M[#.51'O$#:[0>NODTBPRB4S?
SK]L&T_V(_:>:1GV'F$<4&@-RZ/L2(>G,>'8O<-9D= M&[PC&VP.CK"=#@+>V?F,]W\AOMO'V*,[#/8>0OHCWP<_]:&%X^:X!M56##A. MO)_,II?QV[A_.!UW^[;\8DX"E2G\A^MU="@'GTHEUD-
1WIE*+J5!U/QNJ$ M/L_5R>!-E'XOW@DT^Y=G\K1G89+YMO@2?;Y?Z2BR=55"%/7U\^^+:K)[$(= MXW5,.[NX@'_F5])+$Y%@[*<"M1RA\1$:MF.IF);B[.B<"?$/OU=?.%XNA3 ME/'70^0_%?
OS,.0UCZ!'J?GY!Z<] ;M+L1MESE]@.^LJ8,:.G#$/QOBX\QY M);^MB7?C3Y-NY0ORNZ8/FLXK.969!8;.1U<71ZJ4GPK)155L^,+XHBBI&ULK57):MLP$+WG*P8* M&K1 :BUVTBRV -
MM%B!IC#AI#T4/M#2VB%"D2M)QTJ_OD+)5%W",:A>)',Y[M?&\HCKH+I1],@6CAJ132](+"VNHD#$U68,E,2U4H:66J=.DL3?4L)-5&EGM0 M*<(DB@[#DG$9I%T?
&^FT]^96<(DC#69>EDP_#U"H12^(@U7@EL*ZP)AVJW8 M#,=H[ZN1IEG8L.2\1&FXDJ!QV@OZ\."[,V!N=DHM2#FUSFO2!R M@E!@9AT#H]L%1 #E. MV5S86[6XP*6? \>7*6'\$Q;+W"B
;&ZL*I=@4E!R6;_9TI(.OP-(EH#$ZZXW M\BK?,\O2KE8+T"Z;V-S 6_5H$L>E.Y2QU;3*'6?3 3/<@)H"':E!:9FOU>[L[M-A%HWG1#2WNXS#!\@UJON0%OF.X5M(6!C[(/-?\2%!:P0F*X "OA&*L6
MM*-l2**DLX6OW1AN>[Z#%_AN](O)_MW]W>ADD8)GM>VF[0&OO0GQFKZHKYNJE MH+U9@+ME)Z9B&?8"7W/]B$&ZMQL?1J=; M['4:>YUM[.F8;FT^%^BDF_G$\)PSS=$
EY"MF]TD_#]1[PS57%K][!)O%A*U M*7@%E](B^;7K=70)%6]/,@0K*R:?X2,KD=(SI2M5K\%[KND:4S"O!^YC<(_V M3C])"[XPZR02]@9"=IWX!; M1'$8Q[.T>)7%\"L=A.]H0VD0% MXU:_!>
<:,4/B\71_3W9U-?2J_IGHO)O6%7Y7C11ECJ; M'Q;T*T'M$FA]I1=3=P&5;\I_0%02P,$% @ -$6;6>9R=*$$! B P M !D
!X;"]W;W)K&ULU5=M;^(X$/Z>7V%E3R8%0DL/D&AWJSMI]U25[>Z'TWTP80!K'9NUG=+]]S?C0*!MH-W[=*>JB>W, M///,B^UAL-;FFUT",/982&6'X=*YU644V7P)!;=G>@4*O\RU*;C#J5E$=F6
MS[Q2(:,TCGM1P84*1P._=FM& UTZ*13<&F;+HN#FQQ5(O1Z&2;A=N!.+I:.% M:#18\05,P-VO;@W.HAIE)@I05FC%#,R'X3BYQ,J1O!?X(F!M!\:./)EJ_8TF M?\R&84R0+N"('CZP&N04H"0AK?-
YAA;9(4J\=:!!OO._HRY1:NM?PJ]9FXY M#"]"-H,Y+Z6[T^O?8>-/1GBYEM8_Y;J2[%"EI?6Z6*CC P*H:HW?]S$84_A M(CZ@D&X44L^[.N19ON>.CP9&KYDA:42C0?R.YH2@I$Y?PJT]-YOI/SH;T^=BYX4;PG8-0ZJ6!Z
MSB9BH<1MW-*R#VH&LZ?Z$1*N6:=:,UE?I4<)K,Y8)VZS-$Z[1_ Z=10Z'B\[@-?D M[E_CJ74&J^;O)H\):IXJ7,X&P)\'U(C5SV"TOZ*3X[;3OZ M@KNG5-JX:XO!.7;*DJ;/2]O3G!4%SE@DO&20;C M?
TK_P?;]<4-MZ\2/%]*>Z'^'7-;WCZ >'2NK7EU6O3>75;[D:@'D MYWX"YVS]G$Q3*1TU\WHIO=GVL\A.*+(W=61]] .\HS%5N/[T7:__B>R>7$-U MDH.#9]!;QL$'ZP1V![@+]KQH36$AE*(-@ ZMP B-
:E76,VFO'L7-ZJC#7R\F MGN/A0]OOM/HC7[$+40P>-Z&=RS)W):?^OZ)$*XG9";V[#_ 7,OK01&&+V>P> MX%'XTK&DMQO5Y?ROSN+_)T7)^?EV_7[%Z^'*NEDK(7B:+;391C<,\@E)LFW
M4[[[)!.&;PH';"5O3Q1T_6P*W:5]WE3KSJT3]Q@S&S3,(<5>.S<[Q_3-7W5A.G5[[7G&J' MG:L?+O&G A@2P.]SK=UV0@;]'Q^C?P!02P,$% @ -$6;6;-%>OV% @ MD04 !D !X;"]W;W)K&ULA51-
;]LP#+WG5PC> M,+1 %SM.TG9=8B!INX]#@:!IN\,P@V(SL5!)]"2Y:?_]*#EQ,RS-+I9(\3T^ M6B)]:S2/M@1P[%E);<=1Z5OU$<!% 2L9I
MDIS&B@L=9:/@FYELA+630I/,,%LKQ^4H6B(_>^%Z,H\0+ @FY M\PRX!"D]$&,VI0>N+O?LG\)M5,M"V[A$N4/4;AR)'U'K(EKZ6[MQ?4WV-0S]'PY2AN^;-W$]BDXKZU#M0&3 B5TL_+GS7_8
9PG;P#2#2 -NIM$ M0>45=SP;&5PSXZ.)S6]"J0%-XH3VES)WADX%X5QV"Y(!*%C%C7MAA;"Y1%L; ML.SHCB\DV.-1[^BCXIS#>>TX4S?X/S$:F"[TK)K74#O-SXF?;W(="MRFAXD MG$/59?
WDA*5),CC UV^+[@>^X7^*GH6B[PS7EH='8MG/R<(Z0]:O?74WM/W] MM+Y_+FS%9T,R56%NN"WO,CNXUKPM! M),>=]0BPW)('[BU0@JT[*N%1%J]!-7O

8TUN/Y^G)N&J:E8 MAO. ?G>#^AF#],.[>!1]/*!JT*D;'&)/%S1=>2T0U(JNT]:.6T[W0!{-FV:6 MRS4(IQP$9TLN?'A?$P?+[& BOVKWOFYCO1MN,B;@)S+=W#I<8X;E$C7TXY,>
MNS=X# VALX80#R)GC"",.QLX8P\"])G#:>RR0%LG*$I <98FTECFQJUI:HFU$ M5,R5MH UQ)E,1KU:-&8*O*QJE\(ID1JS)6R?4ID9: ?@."Q\-SV'?]XO.NUUVT8SPG_1F M$=XQO>;24/D50:.S.?
W9NEDNC6-5Y0=ZJ2RM!V\6M(]1NP2*KY2R6\<5Z#9\ M^AM02P,$% @ -$6;61O"A'[D @ + < !D !X,"]W;W)K&ULC55-3^,P$+WW5UAAA4"]\N$DI8VN5#NP=6B"YP6.W!
M3::-11('VVGAWZ_MI*&@$K@DMF?FS1L _>SS9,/XD,@")7H]\%%,KD[(Z=1R1 M9% 08;.*2F59,EX0J:9\Y8B* TE-4)$['V'5'3D%H:<43LW;+XPFK94Y+N.5(MU$5!^.L,>5O%<3 -P&8,.
[26187A))XE@G&\2UMT+3 U.J MB5;D:*E%F4NNK%3%R7@N6?*4L3P%+@X/QM@[.4-7SS65K^CH#UGD((XGCE2) MM+N3M*"S!A1 _AJA&U;*3*"K,H7T?;RC"'8L\9;E#/<"S]&RD>\.$79QT(/G
M=U7[!B_\!*^M\. Y0DBN#L:_?34V$/Y^""U93D5%$IA:ZC8(X&NPXL,#;^2> M]1 ,.H)!'WH\5YZ'W$_]VOL'O MNE@ 5WZ#1W/BE>&:4(X>2%[#X'[K3(2&NH0$C+OO&>U\%)X.QU& ?B /!S8.
M!@^-^Q'VAA%VT;&V^('M10-UZ99 C=%3QF!LC-'(CH*/:=3QD&V>]HP@' O= M/#)YQO9)B'HT"3M-PF]KHC9.LZ :P=E7S(FMQ.=H'L@X_]02P,$% @ -$6; M64[CJMW@ @ -@< !D
!X;"]W;W)K&ULK55= M;],P%'WOK["0IO4+6GZL5+:2&T!P<_QN??&U],]D#]5"]#)0YYO-7-2K8N)ZZHPA9RJ:U$ QYU8R)OJ MG,K584&EE0GKF^YXW#J2AUQCC<2:+*/*?
R<0&9V,^H_1D:OE!DRK9D7]D.;AP2EDJ+O :C@ISQJ\!*QH=L,U.74U Z5>0#CR ZQ;NHII'D'R0M M_+.$:RBN2= _K$M_S!V?X^HV+?Z% [L)WKSJC;GW90]/&O6#<^S!&J]A5&9
M1(R7R'62)O$L2;O$%N:.)\4)PDEF X-^1:#9'}R<<|I&3$-T67G"YYR;GN\ M>S'\/1EJHD5A*^-6:-1JARD^;"'- M >['0NC#0U!S0/)7'!U!+ P04 " T19M9'/8(5ZD" "!@ &0 'AL M+W=O5NM%+ZT12(
M%IY+(C)2M15 MHQ .B,+XL\8.6I?.G:Z:OQ&K_C]!2NE;2%@0N9 M8?;6/B0"+8MXPV(6[P6<8W4,270$<13W]N E;582C]?_YZS\FBZ,U?0/ =Y% MMT%+=]_YOCHS%4MO'%#C&-1/&$P^?>@.HB]
[8NVUL?;VH?]'!7MK-Y,Y M#8JL%@AJ26WZA+)6&!!LCKC%K/#S@TY?/_U M8%J[6H#7((M5&V(J3GT17=+\GKJW% N"IB6J(DO?(1N/*1UD-"2'$7lV(E. MDLY%K5*?62HG4)O,*2M,S6P
MJY+A5E]2)+F?/@921Z)IT5:.#KAIT]>OZLUTO&8ZY]* P"691LN4 @ I@4 !D !X;"]W;W)K&ULC511;]I M#'[G5UC9-14I:T(:-=!)*"KMH=*K'2;IFD/1V+(:7>Y[,Y2VG_7P(9E2CJ
M2W+VV9_VV>/MTK_.06BA4 E+C286DJFGV8HU';B#;RIXHYO"NL4 M03JNV :7;+]5"TU2T*'D7&)IN"I!XWKB30=7L]C9-P;?,6[-P1E<)BNE_CCA M2S[O0D<(!6;6(3#Z/> _::)G7)9,8-S)7[PW!83
M[]*#'>-L%O9.;3_C+I _$X65*F.8+V]8VB3S(:F.5W#D3 \G+IL\>=W4X<+@. M7W"(=@Y1P[L-U*\9I:E8ZVVH)TUH;E#DVKC3>1XZ9JRM)IN.?G9=*ZDY):] M: VP,H=,E9:7&RPSC@:,[ME*H.F/
TNQG$>0[7!G+6]T NX'N"6DPL"G,L?\ MN7] '#NBT9[H++#H)N,3J'(:A#U$8Q2?PAEWBPP8O>67BV\>)7M.3"65JC?!K MNC)6T^OY?:P*;9#A\2!NHJY,Q3*<>0#!O4#>NF[-X-
1^/%$"G&70GP*/5W2 MA,:U0%#KIF^.9,T$J)7@&^8>O3E&^23H<07/BC M.(21/[B((?*'8>ST";R'2S^DB\@?)&'O7EEBL:,=Q(WQ6XCl.(GA6.V#@!F1 MJ#?-AC"4)=%HQZC3=DMHVL[>?_-
V@]TRO>&E 8%K<@W/+^CMZ78KM(0553.) M*V5IKIMC08L4M3,@^[52=B^X -UJ3O\!4$L#!!0 (#1%FUF8BM5*40, M !\) 9 >&PO=VlR:W-H965T/*3LB.:AS*?:AZ;=2V M05T;)E%4A!UEW%LM[-
R#7"W$H%O&X4$2-70=E7^OH16'I1=[QXE/;-]H,Q&N M%CW=PR/H+_V#O%$K8=2L ZZ8X$3";NG=QC?KS/A;AS\8'-2)38R2C1!?S>#W M>NE%AA"TL-4&@>+?$WR MC5 2..O$=.;4IK
4_N(_JO5CEHV5,$'T?[):MTL MO=(C->SHT.I/XO ;C'IR@[<5K;*_Y.!\B\PCVT%IT8W!R*!CW/W3Y[$.)P%E M="8@&0,2R]LELBSQ]*:KA10\(HTWHAG#2K712(YQTY1'+7&589Q>W6/?6Z$4
MZ0%:U5)Y.HSW:2@YHM08P+C%FY'L+4#2\Z 5>2CX+I1Y!=>0_TZ/D1B$[OD MR&Z=7 1\A#X@:>23)$]R"WCII#:U>/FU[U;X8VF&D;V.84W*C>K]%I8?'0(%\ M F_UTP]O$?
U\@6$V,\=350PM$[.A6=/V@]=V],.3-Q[:$\IK4K!TT MU(2_2\YW33C[W$B 5WTG5U\X'6J& ?/9/:8[OWIUVXF!:T48)[H1@\)DRB?P MO(5>C]O1Y' 9G-0%S.V.,#_IBS6['SJ05 MY.YLZO9.B0V%
<,SXPOB=XG4FK M4)$?R57E%W%.YLXL]B92>4G63;:A9^G$9E_@U@S-8*BI->8I5]%URXX]JM\ M@G^9K?PXS4\AS63IYTDR.L1^F17.3M$Y'WEEN5\4)O .N,#+P$E=VS8=[/V#
M9.@3DMD#X4.WP;)A'VWE%$G\(D4Q48E6%"=^6B9F#A,744Q,RA139;.[L=G_M'^*_C]V1]3=7S^5FI4$Q%C,+]JE407PL:Q:D%1;G//*%[J5!6CJ8**A&P#2X M'N?
BR"Z_#8WKUT&4.L**N)3C7233*+-%7V>ZB^A/V?=9\!?[?RMR[&\.31 MPF.[MT^SPCK@^7;OUS0[O?ZW[M%[<7>?#A^IW#/4T\(.0Z/@&N]_Z9YC-]"B MMT_@1FA\4*W9X!<,2..
ZSLA]'%@$DS?1*M_ %!+ P04 " T19M9^0:4 M/CD% J# &0 'AL+W=O#1?CJ8F+DK:Z.!^D Y;3BF\J_4D\ ,$G;>*R#F:B4_G.PT&+!LH[2HM\KP MH"X;]^6/VSSL*:0O*41;ABRV5#./.K8DN4F68L.
[OJQ('9^-:.P8V7&V1;QPB-$+B#/V M'H"%8G\T>7?ZH_A7>]BU+EX$1T$O*7VA.6!SZ(@2@[@O7W(L<6; &+(O,D9 M[EJA>,7>2K%I%?MGL51:HG7^?2X1SD[\O!U#IU>]Y1F=#\ 71?*>!O//??PNG
MP>L#421]%,DA]/DMZ)EO*F]BQ1!.#IX9<'R4J,J<:VR6O.)-1LQVQW/^'[3P MO/^_:M8;+FJQ:;1B9<-T(38*:5;'[(HRJID=$]8O$T\A99Y] DE'&'!O59@\$51JEWB9*:0C%NP7#F73?WT!:R).7D
M(G^"XQM)+2]S1H^M\=X57N@"SF0;*:'28_A).(4\1J#43SYK$9BVXL:Y%K-) M;QWPDVGLV8DV$JO11E$',9EY'RUT(YK1=_#3J7.TJT:Q'FF1M:N1.
M[((VY:=IO$W07K0(+_'C*&8',#3I.33Y:0Z)/AKT.D;Z8OC%0_]J)?OS HFP M;CO'I__-F'=72")6N[E*9JZRX>>&;_(2A#MF'V#]Q=MOVNGS[=5W766&JOD3 M[U;>)P)O-
EMR';%A&$_8L>VKQJEAI)^&(=H'Z5-2-+IX)PV15BK52K$K-QF0888OK*#ZU4C/S"2.C'Y^FD+_ ^H7O9 M<)*$D(HF";@0L%D0P65%7&9N?N3PI1*8GSN6C]AP%B=0PR(&L0-@+W+\I)9F
MPINW@=7%@Z$RA>GUAI$?3*UOLRZ0T.W#Q)]-X(AW"98A&!-)U^3NI]NP9TLO MXP#41FRT3QRC 0-I8A)L+$761-R=A*F?FL1X;\K&#M4MEY&WSL%C5Z81JF), M)(&'YPH>(PU"R
K>K(FM\3A37:[W- #),-$X&AX P8ABYU80SQ#]0/.8.Z M8^=0%_\B-[.7W5%6-*(2:\/"50'+]Q&X*(+0M&AG#"24__MP2R,4/11_5NW'QC6KP(@PC/TX"F[AN-7+>F20O"0SKTZ?Y(QNF_BQP=409
M$UO@_B3U(O-PUWR0=QVT3<(.3'%9L!4\VH$=.3C'EQ[0G,Y\2Z/GOM9X[_V& MGEG;5ZIB]M?./>7ZT_XAO'#OOYVX>T6_YW)MBEW1"JK!R2F&DG0O4[?1HK6O MP:70:%"
[+/"8)VD$<+\20G<;8Z#_]V#^'U!+ P04 " T19M9[=5]J^4% M ![@ &0 'AL+W=O%!,YC/R<^YE<[Z;\[^\D7A CT*XX2/N@LA%A>6A:?+DCL\O.Z)(G\)9$99 M[
MYR.867S+B!UE0'%G8MGM6[(=)9]C/SCVP89^N1!0FY($AOHICGSU=DXBN M!QVG\WSB2SA?B/2$->PO_3D9$_%M^<#DD56H!&%,$A[2!#$R&W2NG,N1UTL# MLF_\'9(UWW]/4BL32G^F!
[?!H&.G/2(1F8I4PI!6 PZYQT4D)F_BL07NOY(+'L0A\GFU?^5)V(K /=V!. \ +\(<+P= 6X>X&9&-SW+:-WX MPA_V&5TCEGY;]J5OLMQDT=)-F*27<2R8_#24<6)X[?.0(SI#Y(A8$+8/U4I
R73VKWD2W!*]WLNK!'TAF^?>/T M['=5?@V)E=Q[IA7LO4S_=X7Y$$TZC,.@&3A?=$.-(UDCE187E:,>R'?3VS3EVG?HPG+M*L.';91\GA<^SP^; M]l!O=!,R6=!;M0[-B6!SNE5L2*R4F8LB,O>O?
TZ\,]E-0V*E;#]V8A0;'&G_M3TLEA6Q$TA>IDO+KX]#I6X_;/N"&FAK9@BWGX)*Y30*=HH%;U+W.IM3*<$] M/_CU%T[>1U,9-:16SJAB4P>&TSU+IP%!HDJW:,"HHUC4
>&LLK[&)U[#7QT%#\ZIT=008;8,L]H&Z3]*%1UZE@51O*:\%U#LM)I&]CJ*&YU8$K4 MH?(;]0^,D&E5ND9P8%,/BED=&%JUX;Q&;S\Z/U"D[%51] -B6?ULJ OH<'O: M==T&5&(%E=A^_3,E-
L2C^;I7&W2+%=UBF&[W8PU81(,UF@C5NU6LBD%RVZNZ M-%D>;E%[-+1!GEB1)W:/H+Z,KK.:4BMG5+$MANEVS_KRZO\-AAMJ:D1!*M9> MIT1W=R.X-HPRI2FU<=@(44^+>$=2&
(=K,,]H&NV+%KKB.76%*KPG?,2(KC;8! ML%@!+(9940?2:Z1VK)W#44T-*FK%,+5]$WJ-WGZ$?J!(>>-0,;@++VS6382Z M@ XWI[VMV 9.N@HG7>?
U3Y*NT>554VKEC"ID=6%DW0\@8!$-0&\B5.]V:UM> M?U_^17%I\CG=SN*&F M1A2>NOIKEA_BR4>X.(SBI"FU<@843KIG1U HW>?I1^H$C9 MJP)13W_7OC0=ZF(ZW)[V_6IM0*6GH-
([@CU[S^C*]2FU$6S6>T875DVIE3.JR-6#R77/ MTFD EY7_X381VNW6VKJ-/R9LGXW=P-$TY8G-W?'%V>()BJOLN89*7YZ^=RI'F M.0@ELWDLX]YG\U#^2D=D)B7MDS-YN=CF28?-@:#+
[&&!"16"GMG;!?$#PM(O MR,]GE(KG@2[?XGF3X7]02P.$% @ -$6;63K#W/=D! F!H !D !X M;"]W;W)K&ULM9E;;Z,X&(;_BL6.5JW4"8>UT\V*T%PY\2;P"9FR3S/[[M0TE(:4TD=R:!(S?QX?
7_C#V9$O9 M"U\#"/0K33(^M=9"Y->VS:.U]CW: Z9?+*D+,.5"WK*5S7,&.:;B-+$]QOG9 M*2;9-9OHM Z\;(Q"\QA3I-_2"S64^O20C$L M<9&(1[K]$ZHOH@G7OVA;Y74L%!5!2<+1-\P85MZ?HZ_H
M^TX#B+^<06LG*T"#N]*G);5L1[MIR)7ZJYF8LU1D,40-_6V;%3=,N^U9=>)_)\A]J.Q?(<[Q!2WWF1\B]X;MR MOUON0R1+=[6\WR(/CJ]\FSSLEH>PZ"%GH.5N1U_VZU'2U[SA.[Q'X((5D2@8
MR59H3KE TF4DDX%M /WX2^9'=P)2_F^;\R6\WPY7L?.;YSB"]:4'H21:L]]_ MU#;/>BBS^8T3644D,$G>KE .69H@Y,"T)F< MXC%-$LPXRH&50>"\S?&2/]9\]7+;$)R>XSAR+&
[VO>RLQJE>'E=F8++,T!"L MX=*P=FG8Z=(WN>Z(.%^C@D.LHJ]<;JA@+6>H?E\30: U$)?8T5Y']9W+RP-K M.LL^U1J3L, D+#0$:Q@XJ@T;U MY0__*ZSS%.-,PD+3,)"0["&<>/:N'%W?%2S3KT
]?2#GP61\5$NGEIGX_B- M:^Z5=^!99W&G>C9^.[V]PU$2M&0:C0Y"96BH8HT^OJS[^/+C/@YV78M^W$,Z M -:ZP.A$G;K , GS3<("D]F#0$*QA[E5M[M5GKB>O3-IM$N:;A 4F8:$A6,-N
MU]E]93KF(F;%V@],:P+8O"73\#"3WUVK4_TP2@M-T9J.['WNNYV,W-S/[]!- M))W@1'_SSRG+,X-L-_#4:6>4YANE!49IH2E:TVAO9[3WF;&VHIMRW23--TH+ MC-)"4[2FZ[L-&
[=S@V"F9S:3WX7RFS!2^WHK:'77Z-:,49IOE!88I8453<7P MW;*^?ODT/=OMNKB?O>W27<#)=AK=GC%*"XS20O?#O:/24GMOHST%MM)'(AQ% MM,A$N>==]I];'+C?
ZL,'>92_/:.XQ6Y&,HP264NKTOC)^L_(8I+P1--?:|@LJ M!$WUY1IP#$QED,^7E(K7&U5 ?1@U^Q)02P,$% @ -$6;61.CNN'J @ MP@H !D !X;"]W;W)K&ULK59=;]HP%/TK5E9-
MK42;3]*/0:06]+:'2:BLV\.T!O,NQ&IBI[8#W;^?[:09D$!IO0OOQSG']O&] MYO96C#^)!$"BERREHF\E4N8WMBWB!#(L+E@.5.W,&<^P5%V^L$7. <\,*4MM MSW%"\.\$6E'/C(UYU&.%3
F%,4>BR#+,_]Y!RE9]R{5>!O[((I%ZP(YZ.5[M!.1C/N:J9]MV[=FU&H\0;PD\!*K+61/LF4L2?=^3;K6X[> M$*002ZV U6<) TA3+:2V\5QI6O62FKC>?E6 -V=79YEB 0.6_B(SF?2M*PO-
M8(Z+5#ZPU5>HSM/5>C%+A?E%JQ)[JF&<=^PE5^$ZCB9 M2*YFB>+);%+&!V)S-"$+2N8DQE2BVSAF!96$+M"8I20F(-#I$"0FJ3A#Y^AQ M.D2G)V?H!!&*?
B2L$)C.1,^6:DM:(ZKY>_*Y;U=RT-^@7RG@SS'"UKH@_WT M(<2*[AJZWT(?'KYZ&WUT^_K>)MU6UU#?A5??A6?TNCOTVDS_?3L5DJMT^M-F M;JGGM^OI)^9&Y#B&QJ7>$
%\"5;T^9,.E :K#ZFV/"88],CB6U6!U!A26()I3$=]59QKFQI-*Y;&]=]GW&4T?,]YNU5>X=YW88QE]UM\SZPUNZD/9+8 MALEA;7+X9M)V&AG;487-AODFK[?'WDC@\(
4;V("IV%V$Q0&WO56I#9!OA^Z M_U&E_.:: [^N[KYCOB!4H!3FBN=<7*][X&7%5'8DRTU),&52%1BFF:@B$[@& MJ/DY8_*UHZN,NFR-_@%02P,$% @ -$6;6>T@=*U[P)!< !D !X
M;"]W;W)K&ULS5AK:^,X%/TKPCLL,]"M+3M)'YL8 MVH:RA19*LYW],.P'Q:E)Q-B25Y*36=@?OY+M^@&N6]=>R)?$#YWC>X_O20Z: M[KGX(;< "OU.8B9GSE:I]-
)U9;2%A.A3G@+3=]9<)$3I4[%Q92[K')0$KN^ MYTWMFED3"#8__HBNUG3GG M#EK!FF2Q>N+[/Z!L:&SX(A[+ !/MR[6>@Z),*IZ48%U!0EGQ37Z60C0 >/0*
MP"\!_GL!00D(\D:+RO*VYD21<"KX'@FS6K.9@UR;'*V[H'^!HMZ(;1-8T(4^@JBGC&%&4:],AC&E&0"'V>@R(TE@A_0;^A6T(%^DKB M#$[0$T29$&;UMP=
(EB"^ZP7/BSGZ_.D+^H0H0W!N>28)6\FIJW39YN%N5)9X M793HOU8BI*+52GF5XKY.=_X%;YFW_>4 M+&E,E9'G 8C,!*R0'LY:CVLBJ3Q!SXPO)8@=6<: [EB:*;.<BC23[/W^[U
M<]"=@D1^[!*H"KH+LJ8_5*F)(*9H]ULG@1.^.LO>.+]WJ780&0M_8)*O\#& M'EY)":IS#*RX[JI05W%CZV%-RP@Q@%E9^[.K*RJAW)@2A+K(95*9#]#&8,7\[S];^LC^L[G0&0M-
.:!7IOSO&!U>5C60A$.Q MM35L)$5\H,OMP!Y&&(^HW5P=ZK 3U_0W#/H7'?] .:2^E]U3\'V$.UVD.!T?I MK -"GD7#@=C;&M;!$=N3H\590Z7&.8C:S=7A$MO3Y=O.:HZ-U3>#!LZAV-JR
MU)$3'V7FQ(.&S]'8VAK6L1/;<^<:\LW<'-%Q'2VS/EH?YXB- .P'$ M5)KO:BZY4CS)#[= 5B#, GU_S;EZ.3$; MI=7&>/@?4$L#!!0 (#1%FUE.!\(#1P0 " 3 9 >&PO=V]R:W-H M965TV@3A6T -$,2;
M]['H RV-::{4Z9*4G?W)2E%871QHWZ$DL4YYR9,Y/A9;#AXJ=< BCTF%,F MA]Y2]=6%[\MT"3F6IWP%3'^90+/(T\ )62R5&?!:"Q05>P!34P^.I.Z#> _1LE(M#DP2SI" ^=*[#"^2,#(&=L97
ANY]8Q,*#/.?YJ7FVSH!<8CH)] X'USQJN M@%*#!WX58%Z-:M@9EC"%:???*:60^ <0QG,<4'5/=]\ABJ@ MKL%+,97V+!I44O?JR$V#+0.&ZJ#*(]@TZ+QC$E4'\
M6H9.9=!Y+4.W,K"A^V7L5K@)5G@T$'R#A)FMT 9H409V^^WD,] _-"&#],)>O_N WJ""$/ _M+'DA.CTO/HQ<\C]$M9VHI4<(RR!SVDV:[?H.]KU6LI8R> MI!O'C8!36)VB./B(HB#J./RY>KUY[
KG;>S);[/OB!'7=15;O.X+>-:>8"/05 MTP)V"^6L"P9@WB7M("R%,C8VQ)+IB'AB?21!K/*.@:VE5*#.'Z]JB!-N^ M\OV+YD$W"G+YPU4RI5.QVRG3=" D"JBC1"]B&
[1.X=SD>&URC+!".U@0QDPV9YC]?@"N_#1"NQU' MKM24.#V+8]:"I2B.>@-.O:UX2URNBRNHN78T[-8:=H_74+=@O-8-UE;_W@(@ MBB>B]OD, MP6.ZQ&RA(4L%M*-+W-W3Q3'IY$
9UZ2XVWU!FZT#5=BHC=ZQ4KU4 MVY.4W:/J=7UESTJ 5E2';(Y':(.%T 8K<+#"*.PWA>K);K$1=?M MO"1H]"OH](?:63/P.4)&!WO ?G]?OI;(DF:R4D1_Z\2?@UC8JQ:)[*&]/*35 MH_5USJ6]Q-
@:'X<75Z%C?&*N?^P-PS-\>7=TBX7N@A1F&NJX/1.[\Y$>1U3 MOBB^LO<-.ZX4S^WC$G &PDS0W^>2 M%]<6HK2?S)0NN+&[^JE?+,3@TR:HR/M1$(SZ!9=E;WS3'+O7XQNU-+DLQ;TF MU;
(HN/YQ)W+U?-L+>R\'/LNGN:D/],I3>53J6[WS87K;"^H6B5QDID9P^VILP[U!(F:D0?Y5,J9S'AIR/LL4\O2 MR/*)W*M<9E)4Y#45ALN(K]SK7FMH#?D%>F3:LZU_5B6Y$LI3?66_/K+93P: M_%8?
^>>=<+2M>3NW15\[^3= _8UM=MZ&=M2^_6+8V.M#0FGU1IYA5)RJF8'HBG M_O@K3WS?]MJFZZ*7KKN+O, 'L7A'XN MB8)H0+X\4/+ZU7:/'&CBY'1B_$(\
M=*;_6\,.MR_!M(_Y,51D%A/^)2;U8$IQ'R0:-I2()%\^D]>M\-YX!C?>_% $ M#7QXM(V/AGPH*Z,7=N(UY(^/M@#Y8$11 _?N0=M>T^#"MSB?7U8)GXK9G$T8E M]$KTQK_^$HZ"WPZI!
FC2%B"A#$D+ 7!'+$,-F(9^.CCS\+J1&9&3$G&JSFO M$]OZ0_RYE"N>6P%5Y# DU2'A>,GG"@<)HTA8@H2O-6S4P.IKK=7X*@AN^]MM M/8 J=/0PW.AAZ-7#1(NI-.2CJBIQ=.":>R$?
U0&F&IQE[#9*H0Q\9TM-?#%SL#NE]BY):@ZQ*#K1)1N#-& M^Y#PRBW"O*=$;L^#8$[/7VQZ_N(O>GYE^UU\LA'G3J)(&$7" M$B2,(6$I".HY'*CD$OHI=HE4BQ(&$7"$B2,(6$I":.
(Y6HCEBOO=/*[*O\F M7R;S1\%UO<3-%2^/3>E>W+EJ0<+HU7XZW\OFR H9$I:"8(X[P]!S/0*O#+XJ M_:T>^0E?2,-S\K6V-.JK=%^6\3)//U0*41]&T!$IC4%]*HKG*V?++0FBV:7$H
MT2!I%$I+H#0&I:4HFBN;J!--Y)]N7J87655+,26O9=F:<&]LWCEJQ]WYL6>+ M!TFC+6U[H1+&]F6?J[T+@0/Y!VK GE)EJV206DI MBN;>/M69L)'?A#V6?WYN7>ROI-
RY!$JC4%H"I3$H+4717$EU[FR$=61*$"9+7F;2KG;ZV:-Z2SY* BAS:>K[G[W]VK*0FD42DN@ M- :EI2B:*Z?,E(VPIFP$-66A- JE)5 :@)2%,!5L\4%_V MVC=EPSB,![O?
#4)K95!:BJ*YLNA,VJG)*/l8VSWB0#O7T6 M2J-06@*E,2@M1='<)RD[GS<.H$DFACJY4]J%TA(HC4%]*8KFBJ9SXQO[G[O]A MKT:G2W&'#*!.*Y1&H;0$2F-06MK2PLB50333\(#QVEXG:S?
==3AUZ]>^L3UDRPKDHN9K2IX=V&O M:?7Z;4;K':,6S&PO=V]R:W-H965T0" =!!I+79I=(JH=)V#]4>3'( ]TFS2'%O$5S MR.25*64I%K++9C;/&>"X"$H3VW.5C"!22)(LG[^%M!K3JG"EQO
M/l. %Y.7DYE@#A BOP,& MT15B:K2DJ48ALXB6TR>9^M[']@LFK1,:)X!H2+"!&.6:B<6$1PGE"P8<'8<@ M,$GX"?],:L(9.AF3A<<9S$?V$+>@>+8497MO,SF;_MY%!T*2#E?
S99*KGMS5O5ZF<\OQ$,+5G+'-@2K.#C![?K?-GDS"0L- 1K^&S7 M/MLZ>A N DJGR8O2Y+ QE6FY>SKKX1U"YAZ3"X#SY?+8[FNY8%2&.D4QOI M:8497O6<8ZO(]T
V[BNM+1]O9B$A89@#8M^;=%_ISKU3?HT M"0L-P1H^N[7/KJ$ZU7+V]5?".FMUVO-?E>D!^71EVJN%]+1"KC C>,<2U9+V M56(2%A]"-0SV:X/]=RK1ODF?)F&A(5C#YVGM\]10B6HY^_H[?
5.BOO,J1_(MIRM1UWEYT76T2KZEE#VA<0N%@"XP%XQJZU1/VU>,45IHBM8TN:9E<-^I6"NP M*:DF:;$I6E/JRU["U;'[U&Q>M!.53Y\]Z\^;I>_U6]'I)MNQ9[::>J_E>0
MOYPSDG&4P%3BG59/KCE6;M7+CJ!YL7F=4*WPD5$K@G(:ZU-*Q7-[6?8 M*T"U!+ P04 " T19M9V4@)+R0" "A! &0 'AL+W=O M0LZ7M2-:>@W,E>FXJC"\V!V=H +P*HDBR.HCFKN%
T2\+>VF2);E *!6M#;%-5 MW#RM0.HVI6-ZVMB(0XE^@V5)S0^P!?Q6KXV+V,!2B J4%5H1 _N4+L>+U=3G MAX3O EI[MB;>R4[K!O_<%2F-O""0D*-GX.YUA!N0TA,Y&;][3CJ4],#S]8G]
M4_#NO.RXA1LM?X@"RY2^HZ2 /6\D:G3[&7H_,\^7:VG#D[1=[Q2=.Y8U%4/ M=@HJH;HW?^SOX0S@>"X#XAX0!U=H:#REB//$J-:8GRV8_,+8#6@G3BA_$?9 MHG&GPN$PVX#D"
6IN<$G4@B;2VT; Y:\N@7D0EKRA1O#_=V]3ABZDA([\IY^_MU=\" Z!_3^ZUPM*2CZJ XV\]O0FT1L21_'T"M]D\#\) M?+/_^%\' U\-5Y:;?'K'DYW)GT;CHUR72'>WD,IP?I86M>0XI=;-BP1R!9B]? MC.?
1ARNBIX/HZ37V[$XA.%8D[KO)7$=?!P%O)_+8Q:-HEG"CN=5V5G;5& . M83@LR76CL.N@87>8OV77=G_2N^&]Y^8@W)U)V#MH-'KK[MMT]$%J.O0A#N- MKJ7#LG3_$# ^P9WOM<93X L,?
Z7L&5!+ P04 " T19M9E<-_K7<' !F M!@ &0 'AL+W=OQ[^QT#T_WZ2[)BT<[%UI7N.SM'' M5;H7\D&5B!H>*\;5Q"NUKL>^K (2*7X#N18WJF!\%
MP="O".5>EKJ^.YFE8JL9Y7@G06VKBLBG6V1B/_%"[]"QH)M2VPX_2VNRP27J M^.LFLCO6 I:(5=4<)"XGGC3<#P;V'R7\)WB7AVUP3I9"?%@@_%O NL(&28 M:\M S&^',V3,$AD9OUM.KYO2
H_:!_:/SKOQLB(*9X+]H(4N)][(@P+79,OT M0NP_8>O'"5V%Y=:FE%]<#]:YKG87PK11;17BA4E\; 9;&S]O);IO) MHE8&'CIX_!SN&]N=]ZCS'CF^P2M\B\ZR@[_3 ME=+2'*I??:8:GKB?
QUZTL:]CA//W"2%]OY=. P^])G\3V3/+,>=Y?@M M]K[MAK44%>B2R@]O53>^Q0!NYPPSI7_+9$[+(H3*+4WQU:/$V*DU%7\TOY MTBE/WE3^!94:PY29LD-
X;E0+":G$@FI@0BGL%=M0)DF>ENP/4$L#!!0 (#1% MFUD<3L!5P0(/<' 9 >&PO=V]R:W-H965T8[A XBM:!IO9B$2KM>3+LPX06L.G%F&!+^^]E.&]7@ MLFG:#=C)>XZ?X_AC7#/^)+8
$CT7M!039RME=>6Z(M]"@<4EJZ!4;];,%UBJ M+M^XHN* 5T944#?PO,0M,"F=;&R>S7DV9CM)20ESCL2N*#!_N0'*ZHGC.Z\/ M[FLAF*_4#-QM7> ,+D _5G*N>V[FL2
&E(*Q$'-83Y][_FJ;ZWA1)U"+7AOI M)$O&GG3G=C5Q/ T$%'*I';#ZV\,4*-5&"N-7Z^ETO0VIAO_WJ_L5D5UF66,"4 MT4>RDMND)SIH!6N\H_*.U5^AS1\OQIO187Y1W=1&0P?E.R%9T8H504'*YA\
MM_/0$_C1.X*@%01_*PA:06B"-F0FU@Q+G(TYJO'7U2 MJ[=$Z61V6^ZAE(P3$.A\!A(3*BI0 #TL9NC\[*=(5*B^RW;"5RNQ-B5:DRM M=//6_Z;Q#][O7T!UB4+O$PJ\(++(IZ?E,\B5W#?
R*W<54F[N$$7-S!^\1_B MQ3$EE8L"LG5@OIIR|<8AG9#OW"RCQ_\Q/ML M2_N?S-YD#[OLX2GW[[7:N5(X 13@=3G5%NWIJCZ\K:8C5=BO/11L,^B43(<
MN_M^'$M1FD1=T1O,]_,3F(^JFT_(.6@XBP'865K#*+>L$&0'] =UXP\.UC< M@<4GP;Z0DJB-MD(;QNQ;(3[FZLU&PV6IB4=VL*0#2TZ"W3.)]8TG.1HKCGJ# M-4"6HL
/[43#CFAXDFC.V9Z8@U[=,^H$;3>=C7%X-/P@#I/@ -)6Y?FIG3+M M*-_F[?T;%/F#E2^<8D_B@]PW-ZQK*_$;YAO2"D0A;52>9=#M19X<\TT'HJVO&Y&M"_[=79_]!E!+ P04 " T19M9L8W* MF1
]\"@ &0 'AL+W=O@.Q M<][W^+$=^?PRVC#^(%$"BQSRC8FBE4J[[MBWB%'(L+MD:J'JS9#S'4C7YRA9K M@C@I17EF>XX3VCDFLU(H&9=\MCP:LD!FA<,N1*/(<\ZKV^Y:MF-
2T)RH((PBC@LA];([<^Z.KX,^$%@*_:>D299,/:@ M&]?)T"+T@"""#6&H'K/XV.($LTT9J&']J3ZM)87[SSOWKR6[8EE@ 1.6_22) M3(?6E8426.
(BDW=L^PUJGH[VBUDFRE^TK6*#GH7B0DB6UV(U@IS0ZA_UO.P M)U ^9H%7"[RV('A%X-<"_]0,02T(3LW0J04ENEVQEQ,WQ1)' \ZVB.MHY:8? MRMDOU6J^"-7[9"ZY>DN43D;7= -4,DY
H/.I2$PR@=Q/Z +=SD?P.3.$ MHN\I*P2FB1C84F756CNN,XRK#-XK&7QTPZA.!9K1!!*#?GI4<,YK"^1[WQ&GN,%AO%,3I?!Q!5>PL$S[IY^P'D^$WZ^^7?ITWUO\)38F(M.R8*#NC7:"$D5]_P;]-
R5X:^V5"?:WVQQC$,+75P"> ;L**/']S0^6*:Z_R=S Y6)6A6)3CF'HUQAFD,"$NT@!6AE- 58DOT!)B;EJ1R"TLW23-L MHHN.V^T,[,W^7!NB@O P9FIRDYVP%RIT'N'$4>)0G15X2QA*FD
MP7X^UVW1&6*"H-?",P1Y':=%]X;3 5[8X(5\=2MINXLBN_Q3C%= 5IF12P+ M_"IR:$#NME9K\C+(:P$;;'!!B_=EC&N&[3:PW5.W+]#DV,;M&K:;'[8@)H:H
MH.>W2$^RFKUA5>':>_=I#GO5%C("O:R@LCI:F]ZF5^AJ5)4*K?^SV)ZZA?ZI]MJZH4>K:O"K,;S-7W+E &3P^N>RJS&PO M=V:H-9665T-S3GO)=UR\R!) H7U%F1P[
MI5+UO>O*O(0*RP&O>DO*RXJK'17K%U9"\"%!574#3PO>C2M,F),E=FPNLI1O M%"4,Y(@+)355A\>ZYW8L!;F 2<(9 M$K :.O/_?IJ8>EOPD\!.'K61<;+D_,5TOA5CQS."@$*N# /6KRU,@5)#I&7\
M;CF=;DH#/&X?V+]8[]K+$DN8^>XKM'YBPY=S*NT3 M[9K:X=!!^48J7K5@K: BK'GC?9O#$<"/7@$$+2!X*R!L :$UVBBSMF98X2P5 M?
(>$]=9LIF&SL6CMAC#S%O=*Z*]$XU0V%U!C4B#8ZW4A02+,"L15"4+/+@0P MA;"4H"2ZG8"A,H[!!$]+V;H]N8.W2#"T%/)-U++#9.HJK_#* M[NH!RCT/J# "Z(>^/0Z?
:YAOL6'[!"79U#%T;0A1%8OQ@?87P^A'182'RP M84S;,"8VC#ZG#7783VTVX[VL<0YC1^\V"6(+3O;^G9]XG_I_R>RDQ3"+H7P M&GN7 F%R(S#+H5L7-7X<=S4G(J-,9/0FD<8^ M%GEY56-
#%1W/'YY)O"P)DWZ%<:U MN=+'GFV6^F("80KT]Q7GZM O9U]WU65_ 5!+ P04 " T M19M9\,XOHQ@# 9"P &0 'AL+W=O,QKE:,2YH+(NBBH^'L*.5]/'-IYN'. MEIG2-IQX7-
$E7("ZJN8"1V[+DK("2LEX200L)L[4/YGY!F JKAFLY=8UT59N M,:_3@Y_IO/&T(L@A49]"XM*9!#GF@EU_-F0.NV<&KA]_<#^S9A',[=4PHSG M-RQ5V<09,B2%!:US=
<[7/V!C]* Y$IY+\TO63>U@Y)"DEHH7&S]*%C9_-/[M31!; + W#"#8 (*7 L-(#1&&V7&UAE5:IX+OB9"5R;;OC#9Z8;5^C1=* MX%.&.!7/!524I03N<6%(D(26*>$] X&S"P&E(E1*4)(A;XK!M^
M!@G"?0,/=^$N)M'&$;1

;]97^'@'HEVW6XV!W^GVDBN: M6[WY>R=[Z(=/%I&E*]>O@%WJV_13>,O*I:LE"2'!:*\XP$>8Z+IPYJ!XI5I M96ZYPL;(7&;8NX+0!?A\P;EZ&.CNJ.V&XW]02P,$% @ -$6;6:(/H(;B M!0 "2< !D !X;"]W;W)K&ULM9I=:]LV%(;_M"N$50PLTE4G*LMTY!A)GW0*D79"DVT71"T:B;;&2Z%)TW [!\:.^(MJ2?"JK MTDTBR>1+OO3AX6.1LYV07^(UYP[l"X,H/A^LE=]\M:S87?.0Q6_$AD?ZDZ60 M(5/Z5JZL>",Y\])*86"1X="Q0N9'@_DL?78KYS.O58$?\5N)XFT8,OG]D@=B M=S[@^<'=_YJK9('UGRV82M^S]7'S:W4=U:AXODACV)?1$CRY?G@ K]=V"2I MD);XV^>[>,\:)58>A?B2W%O[YX-ATB,><%^(+'@2)DN['UUQT4+29 M5-R ?E9_EYK79AY9S]A'Z4_6??\H'8]X"=(O5(7H&4*QQK@>85:&HTZUEJZXHI M-I]\4,R*:W5DHMT;-+:VHT?)5_CO9+Z4U_74 /K2+%HY3\&'%W$,5"GG% M%?.#^!4Z0Q_OK]#+%Z_0"^1'Z&$MMC&+O'AF*=UR4M]R\U8NLU;(D58P0>]% MI-8Q^CWRN'*T7CR9R6_C#7/Y M^4!/U9C+)SZ8 _H+=H:_U3GO2.Q@'.QB'&Q(??Z'%'&,%DS*
[WZT0A>AV$;] MSG$FXZ0R2:IYFA.;4C*SGO:M@(VUM#@JK(Q *O>NNPVW 5/Z&]4^I/+_94GF MJ7.3*=E[:LYL9V*7W(#MM73C%&X'I=#PJ&02[T-+@N#
X!@U^T$M>@[@;5YR,IR478#LM74P*%Y-NYL^D MXH/8SIH9E49QD=%V4.>C@M>CCM;%I,&TV+FE)Z-.M[B8=F71N>'O"U*]>P M+KA'3CDLX/;JXP(!
(8'WEFC<16CG*F!LUY4Y$A"8F/X1L' 7>DU?9@M@D"Z MC7)*+KK?%7OHE/L+MMQR,F*SJF-PL9P ,"4";>=' EZCYN%&:R9%U7%X]K:7:T=.?#T0<(M8$,">-0GW>&.%OY\+/K "&PX L,@T7*R5PFB)NC[X =L +#!-''9* B1MUD M[X,XL$$.##/'0H2;K>(2W8NEVC')7U=B')[JH/S)X=V1VN%@&+K!TUZG.@A/ M)X]%1VJ'O[-0A$8H1K#**DB%*&T%.6UA8ZP!S%L1&
V.@5'215^SO"HC*.U MI8[0*#&01&!(^KD?8+#XJ7'51@U"6E* BL! U1!E2162*BB;E]G_<7,.98D! M'P*#3^/,#NOTV>,9&"60Z6.#GX^N 78OB%.'TF>-(1 MH^1CT0?
O$$,\!":>Y@F^RC$$$X++4[(/D"$&9 @,,B>M!=47*&>4V,.RHSYH MA!@:(?#+EJ;IL@4GU'>C/H"#&N"@';VSH77O;,;3<7DMA]MKZ\? "87AY#I" MMU*X7$^R.RW/I+M&+/+0%7_B@=BD!
E7EC^Y'V!CM0.!\, $"6];I%T2D!= MJ1V.Q=YN$8Q!C1,OK8(0<7!YFP1NK;T; TT4AJ93\FXN=3ASA[B<<=^$6VSHR M5$1A*FJ8=V&5$_)N&Z$?
VS5.1%ML#M4:KML(&DW+^T!P]IMM.7^ITI78X%@:C*(Q1 MS=-M=2^*..77=7!C;3?8#239,"2=DFWM&DZJ&H(:;&O(4)+=R?86K\")"LFTC M|&.
[AH/L%B^":@W__%N:W'"GL&/M'38*N5RE9[!BY";?6W;NJ'A:G/.Z2$\W M6:9X=DCL/9,K/XI1P)>ZZO#-6"R>%-"? M+X50SS=) \7IM_G_4$L#!!0 (#1%FUG /^S! 0, +@, 9 >&PO M=V]R:W-
H965TS,-M#MU\]VTA3:8 9B+XGM^!R?>UW P3ZD1= M,S;B49>"6S!.I!]RHF^,YC$'>YR.N>F[% M,B494$$811OF/:?O7P[\0 /.C,\$F*MC;25"6,/N9,]{3F>5@0IQ%)38'5;
MP@#25#,I';]*4J=:4P/7V_L7XQY96:"!0Q8^H-,9=)S.@Z:P@PO4GG+5E^A M-!1JOIBEPES1JI@;A@Z*%T*RK 0K!1FAQ1T_E8%8 _C-+8"@! 3_"FB4@(8Q M6B@SMH98XLV+V0IQ/5NQZ8:)C4$K-
X3JUSB67#TE"B>C;RHQG9-)"]@O!$B! M3H<@,4D%\C^@C^A^/$2G)Q_0"2(4W25L(3"=BJXKU=J;P8W+=:Z*=8(MZXPA M/T<-[PP%7M"L@0_L\"'$"NX;>&,3[BK'E>V@LAT8OG +WR!1KD%
[ZLINP(&L9,KVM+*/V1===UNAN5KJ;5MUO MLO8,]3/&)?F#S>$8P D[8%#W<0#8!7OL.K0OLZ_!(9!NQ"*M8A\QE<-CAN%(M9!M4:%5A:%E38LN^QF\$JVE?A
V1>5[(M=LMVUJVH>DVH+O\X-GIS?=> M3G)OE[M.[<%LA>UA[O"BW?[6*A7??E@EH K5F01>Z](*WL?E 42[7;X4)K[U MP-]^))>XC9WL]59FY]Y7N[M65NJ:_@;S.:$"I3!3]-
YY6^WWO"B3BXYDN:DT M)TRJNM4T$_5K 5Q/4,]GC,GGCBY>JY^5Z"]02P,$% @ -$6;63.>%284 M P '0P !D !X;"]W;W)K&ULO5=M;]HP$/XK M5E9-
G:0V(8&^R.8@$)-4JM1,JZ_:AV@=##F(UL3/:0+=?/]L)&2\IZK9H7XCM M/,]SOCO[/X0F C=L9(>S)C[%%/ MKN.!Y>@-00ISJ16P>JQA#&FJA=0MO>:5F52$W?'6_4KX[OR988%C%GZE<0R
M&5CO+!3#]J2><.*G,@X[M(*533W!+@GM(:#]#\$]"!U(+[9+0?]F%3DDPKMN%[R9P(98XZ'.V05RCE9H> MF,@:MHH7H?J<3"57;XGBR>";2DR79)8"&@H!4]#$$"0FJ4"?..=8I_$-ND#W
MTQ"=G[U!9XA0]#EA*X%I+/]V5'O02O:\M#-5I M\(Q>Y[G3D.68<%4&)(H6"W67!5*7.<*<$KH4: (<31/, 3W<*";ZEI");W6' MH##CU9O1M:\G[P:Y!M+K[F/ 8X^TC MHF-$Q_4KS)Z_GKB%;
:\lC2>%/[3T]BD6-BD M6-20V%YV_"H[_O^`I"Z3N6I2+&Q2+&I(;"]7W2I7W>8K1 ?H1CL'E>,8T7(. M,.$QOCVH',>(SHY*X;^]T^]DP)>FT11HSE94%A^[:K7]98>FA3M8'[5ZXU;- M>]AZWZ)5_2U?-
,ZWF"\)%2B%A3+E7':5A>!%,UL).M-MS5C4O5N9IBH_AVX M!]CW"\;D=]([-5^(@E]02P,$% @ -$6;62!S*61[P / \ !D .!X M;"]W;W)K&ULM5==;YLP%/TK%JNF36H+AH0D71)I M;3>M4BM%
[3X>ICVXY":Q!IC9)FG__:Z!$D@H_1!]23#<DXNS>3T[%(==Z-;&&%IG#@J6A MOA:;;U DE D,1*BR7[+)8P>.18)4:1$58%00\3C_9W>%$14 [3T"< N ^UR M5P"\+-%<69;6.=-
L.I9B0Z2)1C9SD7F3H3$;'IMIO-$ZGW+$Z>E,8D5(?7[MDI#%FK!X3N!?RA.<*GU(8BRD#^>@&0_51W)$?MR2U-Y <$\\)*[C]AK@9^WP:8/7QOY4,2RE4(USG;/Z&:O9-
];3$77HV%Y7$]L/@W2OJ4D@;MYF$Q'I+3E(=S'B]55IL742+%&HR! MBOR^@N@69.,*;:5^Z0KMB*SFPK!T8?B&&]6P2QLZ(JO9,"IM&+W)1C7;]TS< MIW975$.0ZWMN<_E29_NA=5HU7[%@A;?
D?6NEMI.\=(ZZ8]NG7.DMZ!M6:T'> ME14=L=6MV#88M/7# _>]*+6BKU>C3@;]3L@U1U!DYPT=J=ML/T/:&H#)9:37; M2O+BB>J(K9[RMJ&@O;>LV=9VY<56=,16MV+;KM#V?N?5-=O?:_7HB.
[V@PU1 M;G^TVV+9E:..5-;GDL2(A+!#F' ^01>9'M7R@19*==FZ%QK-3=6G^XRU(M$X#/%T+HAX$Y0\4'YNE_4$L#!!0 (#1%FUGD1U?,'@4 +,8 9 M>&PO=V]R:W-H965T
M,OXDU@"2O"1O*]ZLM939I6V+8 T)%1V608H]2\83*O&5KVR1<:"A!B6O[3G. MP$YHE%J3L6ZJYV,QV\@X2N&>$[%)$LI?;R!FVRO+M78-7Z/56JH&>S+.Z H> M0'[+
[CF^V25+&^60BHBEA,/RKKIV+Q>N!N@1?T>P%7O/1"WED;$G]?)K>&4Y M;D800R 5!<6?9[B%.%9,.(O!:E5VE3 _><=^UPO'A?S2 701&G^2U^*C3@&X!4 M[P" AIL!W0+0/03TW@'T"D#O6 O]
M _UL*@ R.!?@%P-=BY;NKI9E222=C MSK:$]'(IAZTOAJ-BD2I2O-=L(AJQ+7%2BMH. MB@GT5?B^!?$ M<[Q>TW+;T0^0=4C7>1<^/1[>;=]_G[,^_SGKBW:X% *$NTWPBA+=TC>[F]_[
M#M]U&$8Z7TE&LL)/[P[:,,>;5DZ5V2]%1@.XLC!U"^#/8$T^?G 'SNE.V?["6$CN*7\B2QI$<81)#S\%R)G3&6%E%L=Y<2ZP!E:V ML"]B)-;QL21G7]> &]LA^ZL;.JV.0P!89H5J95&*845CW$\=89K-
Z71+BVJ]V M"LM!?7@HR]@!*+MQ&K|MXL*8LM3]_]MBE77GRWY;A;W&U$Q"ZCS4\.] M%WKK#4GQ5^[10*C<7\?T#/]3_C#F C)QJ+85:=^DV%U$$] M5N=QW:Y_D)[K1&Y -#BHR
PMKR+!L)1@V"K!6W3^>P?)(#_F@1HY3A5)-D M4Y-D,Y-D^:S6W5;;[A6,AML"6FD)D6R\ MZ[II9SE9-+=^.5'7S*3)V3$FYT9-+GY@,A?,WKLB38"O]VW^C+8I#*_D2I; MRQOV:WVO?-
!^ZUY.W8:VF7LYS^_/W^CSZ_P[RE=1*D@,2S3E='S\5./Y#7G^ M(EFF+V@?F90LT8IKH"%P-0#[EXS)W8LR4/Z?8O(4$L#!!0 (#1%FUGA MO^K&PO=V]R:W-H965TK*2JJ+&A6A-=
M*Z"%\[V6)WYNK+)&-X4S 7"'=5!55OV':RS;%([S=>&#KTK@- MDB4U7<."S&,]5S8B TO!*A":28$4K%)\,YI,8Y?O$[XO:/7.&CDG2RF??/"Y M2'"@! &'W#@&:G\;F
+GCLC*^-5SXN%*!]Q=;]D _>N_6RY)]F$K^G16F3/$[MC I8T8;:!]E^@M[/E>/+)=?^B]HN]SK *&^TD54/M@HJ)KH_?>[KL ,8Q2\ MPAX0_B\@Z@&1-]HI\[9FU- L4;)%RF5;-K?PM?
%HZX8)]XH+H^PILSB3?3$E M*"2DN,@;I4 81+4&H]'!# QE7*-[JA1UM3Y#%^AQ,4.G)V?H!#&!OI:RT504 M.B'&2G&$).^OO>VN#5^X=@'U)8]",=4QCS^1Z9).%T?N$;';'5\B)PR%G3V(T2(R.
M2EPT=_MF- X^'!#5R+; MLQL/=N-7>Y'XWVH'P5\O&PO=V]R:W-H965TW?;I*A%HP M@V&!5S \5C,F)R9#4\N:RP!PF-/N9QB(9 M&9\-%_2EYFXIYMO4.>C
XQHOQ43;2K;OF6@J.2"YC581I"GI'KCYUJ"'8#D M:0#6 /<0X!T!>#7 .Q7@UP"=NEGEKH4+L<#!D-$-8LI;LJF!5E^C MI5XI474R%TQ^325.! \,OX PB1$5"3!4X!>\R("C\O $3C..OF/&L-K-"W2)
M'N@AH2674#XTA0Q%$9I1[?:FNB.TI$PM&4O!"WX"?= M^.L.O"DE:'1PMCK<.)V$&WQ_!\\!WNML"GW? 0(@FWV^![M8KA-4;B:SS_"-]L6@:]+<12Q$LM"^#5><,'DG_V[:,\K1K>=49UV
U[@"$:& M/,XXL#48P<Y*%[TDV?2>RO6WQFFWONMB/_IMMVU$Q)33ZA7K MP.YVCC4TUL[ZGV05=D;U5@%?NW2OKWN-QSUA_$88OU.86Q+)'LE!'4KB#2+Y
MK].781^*U&+EV';_0*375I>^XWG[5M/.-Y:/N:.L9\#6^E^RU%$2R*]DZ]9 M:5KZ6'>R@_6)/0BKSOR/IKHGW&&V2@E'&2PEI775EPFPJO=6T+W5P65,A6 MI8>)O*X
4P;R^Y)2L9TH!\T%*/@+4$L#!!0 (#1%FUFY^._A00, <* M 9 >&PO=V]R:W-H965T4 FCP6O%1+)]>ZFKNNRG(HJ+H3%92XLA>RH!J'\N"[2@+=&5#!
MW<#S$K>@K'32A9E[D.E"U)JS$AXD47514/ET#UR^ MT1)7&>)T^'I?.06(@*;'4A#.Z99QI!H]\7H.FC*LWY"WYM%F3UZ_>D%>$E>1C M+FI%RYU:N!H9-'[%;_JQ/_Y(MZFK'45VETUZ3E7%;
MSO)V87]L%<=CGE/WV69K&%'X!&+A[**O1_W\-G_8MNA%I084%-OCFF9^3]3KB4;9M*>HC";73&TV,2QG6+24TQ&*3Y(<62F MFF,S(759*[PB1YK1ICS;>";#7;IB.69QP7'2E-
QR_B$:3&IDBJY[VT<9L,XEZ?[IC%!;%93VPV M?OV$IMS&93:(1G\RC:_H6(R\\,9M\YNN?CESUHG_ZHJUZ6)4 F8-I0__8NS M5.'=Y/A247-;&73/NF !\F!>$XIDHBYU6QW[V?[%FZ]0B6W%QY7V M3?
(2HGTBO:?RP$!%..PQG'A@(,D& 9 >&PO=V]R M:W-H965TK8F6V@ ?>[=M*,0D!IV$MB. >'<>XYO?#W>2O6H2P!#GBHN],0K MC;E'OJ_S$BJ+V4- K\LI;JHP:E;^;160
L'JK@?!4']5Y0)+QN[M5N5C>7: M<";@5A&]KBJJGF^ R^W$"[V7A3NV*HU=\+-Q35O?+GDVCW) MMHE-8X D:VUDU8)10<5$\Z9/[3[,+!$4#4 J*W N(6$#NCC3)G:T8-S<9* M;HFRTRG*4%A(J5
&,(973#.# --SF=@*,.: MA!?D(WF8S\CYV04Y(TR0^U*N-16%'OL&-5@F/V_SW33YHB/YYE!?DCCX0*(@ M&O3 IZ?A,\@1'CIX_!KNH_/.?M39CQQ?R5ZIAS'9]BSZ[S7*VA(/"$S4!CK;$;$ XK
MR@E6E>12:#P%3*S($OJWHN%/:]M%)LL&F]-KL,>V+"81?S2OB@$SYXD_": M/BO)^5>Y#P)[8H9) MO\"T$YB>%'@O#>5]>M*#4B7I?CD/8](DWM/C[S0B>PG\H&K%A,9 ;XFHX/(3
MFE)-8VTF1M:N-RVDP4[GAB7>1:!L 'Y?2FE>)K;==:=;]A=02P,$% @ M-$6;61B]'}$= P R0P !D !X;"]W;W)K&UL MK9==:YLP&(7_BL6]J9.6@B&0CR5(:Z)IDSJI:MKMV@$G6 7,;-.T_WXV4)H0
MUVE1;Q(./L?GL8'7S':4W?,$8P$>LS3G/G]U_5/ 2 M9HTX7M#T+XE%,K?&%HCQ!I6IN*&[G[@!\I5?!%-> 8)=W7?H6B JN:!9(Y8) M,I+7 ^BQF8@] 1R^(G ;@?M6@=
<(JIFSZV05UA(0%,X8W0&F>DLW=5#-3:66 M-'17R[@23%XE4B?"*RSG@(/S)1:(J/P+&("[U1*V MD,.ID1TUU!>UM?N*0H7%\!SO@+7<8<;^<(L7^)(RF$E]P[EMH1L2=V6U*W\
M?".I#J/6>7]=>HZFO$ 1GEOR0>&8/6 K_/P)!LXW'=0'F1T@>BVB9W(/7YGH MRUH55"KU7#^$GC^S' 9C&XU[QAZVL8>G8ONZV+5JN!<;#IU.;J-SS]Q^F]L_ ME3O0Y?:/=E(;?
7NF'K6I1Z=2CW6IC2I] MJ]!(<'OXG&0;MVQC(]MM@F4-W@C,=(1&3[L>_B<)RTN1,S(14H!64>$O[1 M,A:F>CA'K"G,^!20K2D5$ M))<<16AKI7,$,X!=&/-H?6GV]@+P#8OTKB5]'
_6:-1]29N'[8OU4OBAL>@V MBQ25C$D*4%"F-I!:&%>S1A!V:=RCT%R]KVB^'<@;*&NF M/25H35(BB'[7 H^K.O0GW:P?6M?MO7VFVN3_1FQ+7U#J7ANJ-UL^_42_@=$6;
M6>"'RQ4 !0 MB8 !D !X;"]W;W)K&ULK9I=.M;Z,X%(;.BL6.5C/2MGPD(4DWB=0&'*$:V:J=V:U8[84;G 0-X(SM-*VT/WI- M1TD(U"72N6D"G\I^\ TA_KTD<Y*(EURS!L/<%1JLTF^;E[-IO0G8BCE-
PSQ'=)@MGK M#8GI?]J9VMN)AVB]$=D)?3;9XC5Y),+[!I[)(!VBA%%*4A[1%#&RFFK7YE5@ M#C)!'O%7?1\;Z#O*NO)$Z8_L(BGFI&UB,1D*3($EA_/9$[B."/)=OPLH5]5 M,Q,>?
W^C>WGG96>>,"=S&O\=A6(SU48:"LD*[V+Q0/<^*3N4-W!)8Y[_1?LB MMF]I:+GC@B:E6+8@B=+B$[^4_X@C@?6>P"H%5E=!KQ3TN@KZI;#?53 H!8.N M KL4V*<"^QW!L!0,NPI&I6#453
N!>/<#L7]RV^^@P6>31C=(Y9%2UKV)7=0 MKI;W/$HSLS*)]J&4B=FMT0ZA://#A$XBCGZBAG#F?^^H$\H2M&W#=UQG(9\ MH@N9+A/IRQ)]4Z"M=]]=$=3L>'(34,2MN@=M7ZLT.NRFU5?
K;>^WEA*X"/9 M7J*>\1NR#*N/OC\ZZ/,G+RWMFG?]!08!Z8U+DQK/#7&(4N),3_$+-28/W!Z MB8QQ'8-6XM=?S.'HIQ:>K^;=829YHYQG=N$%:IY'GB1OT(E7\UBO^CWU\@2]
M=O)#IYGMM$W)_KSL4^;09;9-TZB@@]0-4OU*TOUU99* MTQV.Y9-%*MKLHQ2?:Q](F ,)6=@=([^?2.EG(>9?*Q$@G"DC8/*2'G>@@2YD#"7$B8!PE;0,\)M25&Z)5@ MQI&-
DOSQJFT251,&!4$Q6]J5/6TEZ9$L=RP2KW)YLJ4\:AW?E(1SO0D)1% MD#0L'O#;+*+DG3M>0<(<2)@+"?,@80M(F*]V1^M,6)@6J!4UTXXKTXX_',3D MBH&\;$G:;M)Q8YUR.HXU(WJ-
<:P9TQV!K)FD-D(\I3].=< D# ?$A8 P6JF M,(U#]<]0/VUM*!,7V1]@&+W::WK&A]8H0VRE-UHXYJDU6D#]AC74G3K7&Z T M'Y060-'I]CBJ!)OJ42-
[+W!!5Q<[N63$G!/1;A"S60D9CD\MHDQU[L35):4+ MFM(K:36/FX-A/><"-*E!5"TNO4.97]37?? 4VP(0U]I MNMRQK/BK7Q,Y63V>@KX- *4YH#07E.:!TA:@-!^4%D#1ZJ8^O(\PU;7C+A7? M$J&L?
<[V9H>4+FA*KTO*!6A*'Y060-$*)^E'>U@2PM;Y!BB.EG27BN+U M>W6VVF1UG6\M.CE_8U[-S9;SCGGE%ENH#OAB1]<=9NLHY7)1O)*IC,NA[!@K M-DD5!X)N\)QTT3U0(FN1?-
P2'A&4!\OI*4O%VD"6HMJK- @=02P,$% @ M-$6;66Z&UL MM5C;,N,V$/V5@5H4+;"-;KXDJ6U@XVS1 ,W6V*#-PZ(/M#2VB95$E;3M!.C' M=T@\!B4*N^LH>8A%B>=PSI"<&7*T%?
+6B%]>,BS0HV]E=;EI>^K9(4Y4V>B MQ(^+(3,F::F7/[JE,A2"\HS/PJ"@9\S7GB3D7TWDY.16.N,%SB3H-9YSN3C M%69B. 9"[^G%)[Y<:/"GXQ*ML0[U'^6,TDMOV%)>8Z%XJ(B8NQ]SZ\G(9#
M [ ]_N*X57O/8*3.A?AB&C?IV N.19AAH@T%HY\-3C'+#!/9\4]-ZC5C&N#^ MQ/[KU8\B9DSA5.1W?-4K\;>N0L!?4-7R(R9?_#MNX;>)"L ME19Y#28+@'C: 5$-B(X!O1<
<0V(K=#*,BOKFFDV&4FQ!6EZ MSYMYL+ZQ:%+#"S.-=UK25TXX/9E)OF$;89:Q!&EZ--PS*5FA%; BA7N: UXL M86GCL M_"=N/!U;OOA;/0V?;S&?H_R[S6=.3K/'+U5)?&./-K%"N4%O\L-
WX2#XI4UP M1V0'\GN-_)YE[[\@?YHQI4 L&M5"@@T:\/EWZ@HW&G/5ZH)>ER[HB.S !?W& M!7WG"F@V#U=]?;S$*ZT50<\2F B\F0SC7AQ[@]!E^G@I*"
MTA0D*#ZT21D\DS+H#X;AD9+_ZW5@XK Q<>@T\>/:["><SV*I@! G+,DQA_@C(MDA5L*PEM5@^?V7-LL7/H$WU_W@@[=PK[\(RX0JAE#$!-OLK_&#/_KC7/U+@ M'.-$!1>-
@HNO6SWX4'*3_"B5ERBY:-T.;JX^/"*3;;EFZ@2>*#$,=CDU>&6H MAW_A9O:', *[O_C6N-<5VZ%'\]J,\(VB?TW6].6&WFJ"W9E4^BNFVH7%$(:-VC2KA8HWP$M M=+XLS *G\W?
6N*55NWL$E_9."RM_[TBGL']M7??]*N.6R24O%&2X(&AP-]1U*JO;@;JA16D/V'.AZ;AN'U?(4I2F WU?"*&? M&F: YHYF\A)02P,$% @ -$6;68.%58? P @0D !D !X;"]W;W)K
M&ULK99M;YLP$,>_RHE-TR:UX2'D@2Y!;MI-J[1N M5:.M+ZJ]<.(EH()-;9.TTC[\;$,(70E3M;X)MO'=_>Y/SN?)EO$[$2-*>,A2 M*]96+&5^8MMB$6&-&1(E2-6;%>,9D6K*U[:(.9+
(&&6I[3G.T,Y(0JUP8M:N M>#AAA4P3BE<<1)%EA#_,;&7;]>5:NX7K9!U+O6"'DYRL<8[R1W[%UA4%HS=Z8 MIMJ3XKBOG%IU3&W8'.^\?S;)JV061. 92V^22,93:VQ!A"M2I/*;;]@E=!
M^UNR5)A?V%9[\0N6A9 LJXP509:0\DD>*B$:!GWO@(%7&7B&NPQD*,^)),&$ MLRUPO5MYTP.3JK%6< G57V4NN7J:*#L9SB5;WL4LC9 +^'1?)/(1WI^C)$D] M/L QS&/"\7BF\H[@BCRJ[R'AE'-
"UZC'1 _l^K>7F*V0/YK8DM%I7W;RXI@ M5A)X[P@"N&14QBHZC3!Z:F^K;,]4O\U*,Z_3X1SS'O2=(_ W8/(028CJ MT1&A7XO6-Q$&AR(T1#ECF:H008P*#65@\=@NWI;P"&Z_*I=P(3$3K9*5\?
OM M\76EGHB<+'%JI5(4R#=HA>_>N$/G8T=V?IV=W^4]_%;H+PEL!?A"+2NV+O&& MS\0[]MS <]I11C7*Z!74.]H#=NLU>]Y7W^^Y03ODN(85,_S'6]X
M@*K16MS7KM<2M5O#*NK34AWW1H._>.U&5\R0KTWO%[!D!95E@ZQ7Z_O%:=E5 M]]O+R\DEX>H<$9#B2IDZ*I8%O.SWY42RW/38!9.J8YMAK.Y(R/4&]7[%F-Q- M=(#ZUA7^ 5!+ P04 "
T19M9.)+E5,&5P)D611$[&:8\^W4\9WlQ#5=9WI???9MGA=S()(./?Y+4U5-G7&#J2X)&6NKOGV.l8%#4V^ MA.?2_L*V6CN*$^]?A1!VN"@K+]2AYJ(UH! >!(0% !):[$K*4%T21>"+X
M%H19K;.9&UNJC=9PE)E_9:Z$?DIUG(KGBB=W&<]3%!(^WI=4[>#M!2I">RC5)<.KH+2A1;-")W[SR0^]#1W6#IKI!5 ;X6VG^ M2>#+O6\EV^C_7M= =%6XHHQ1MN)?!_VL\"N!@14PY\$F#D?
C:#!Q-P>XA@W7 ML)/KUNXL@[%!H4*6&FS%:1$(2P)%; A>8E':1]?A$/$E;3?;R'K ZWG'T8. M&^3P>5;6:%W>A4^\,PFBH=<_3#]J2$8O85[#U^U6I35N,?K1N!<-#S..&\;O
M\S2S6:)\%^&C9\;Y@^"T1&8J(&)7L*P-F*W9]%3SX*P-SR"Z7N//[?W_]L5 M6:=W=>ZV><']\,C4*UNXK_T7JU0NSVL5<=_X YZX=^:PVTUP@+%RK9["0DO MF:IZ8C/;?%*
<58WT<7GU/7))A#Y#).2XU*%>;Z1/"E&U^&J@^JVU057NDG; MVTQ_%[$P"_3S)>=J/S "S8=6_!M02P,$% @ -$6;64$!M4_"P 590 M !D !X;"]W;W)K&ULM9KJ;LX%H; "N$9%"W0
MQKKYEDD,-!%U8SL;--N=#X/IH-I,+%07CR0G[6)_$JR;)FV0DL[;P]TM1V= MYY Q7Y/2>2E?/2?!IVS%>4Y^1&&<70]6>;Z^`ZSQ8I'?G:1K'E<_.0A22,_M+YZFC\-LG7)_605%X5!3E/$P\H-
X,+^J7KM+YU?))@^#F-^E)-M$D9_^O.%A M\GP]4 >[%[X$CZN\?&$XOUK[C_R>YU_7=VGQ:+B&H(.(QUF0Q^3E#]=]#C^HE
M,T9E0'7$OP+^G!T\)F57OB7)]_*)N[P>*&6+>,@7>8GPB_^>^"T/PY)4M,.O M&CK8YRP##Q_OZ%;5^:(SW_R,WR:A'\$R7UT/I@.RY_^)LR_),\.KSM4-7"1
MA%GU+WFNCU4&9+')\B2]@XL61$&_=__4?\B#@0)4_84 K0[0C@-&+P3H=8!^ M'&"\$ 4;7#*,Z8-0UP[@,&'<-F-0!DZY-FM8!TZX99G7 K&N JNS>.:5S MR/[-
W@ZZ[2BIAICIY_[*DV>23(M>Z#+]D17$I:3N%$Y?/[M/%E\7R7AD]?9FU^FFCKYC=*_-D'^D[PU>>X'849^]]/4+T?^.. *!?+TWR=M? MWY%?
R9!D*S_E&0EB\C4.\NQ]\6+Q^)^K9)/Y\3*[&N9%"\L\PT7=FMMM:[07 M6J.2STF;Q^+MZ1Q\\D\KHQ7 J#[_GZPNB*R^&6]W#]99P6QYN\D41 MKE;A:ML[^?<;
[_ZIQGOGWO:RC9N^F)UU[[LN&87Z7N1ZQ1N]P+L-_2PCR0/Y MHU1RG),D)=7D2?[\5!Q*W)Q'V;]:VGFSY>KMW*ZO\S6_H)?#XKY/./I$Q_ MW_RBCI7?V@8[$F8B810)LY P&PESD# 7"?.0.
:""5(S]E(S9J_79*]#?Y M^0F# [1.0C=21%]5(6FD:W,*."E4OI[_E49[7]S7?5 RR+0V$N9TIH.+ M3.LA80P$$_0VPMNVA0-7#;)^)Q9E35BXXW<$C&N>]8^QG[>K0PKLJPXDS$:3"
MZ*AE9"FMZD"FM9$PIW,??&1:#PEC()B@CO%>'>,>ZEC[*7GRPPUO4X44U%<5 M2)B)A-$M:'(PHI2+8C2I1Y) YK21,*=;!UQD3@\)8V<[((STR7ZD3Z0C_2[E M#SQ-^?)H*I
OE*3,OH,>"3.1,#HY^1AM7R8AD]I(F-.Q!RXRJ8>$L?,]$,;] M=#_NI_W&_?Y#GKP-8K),PM!/,[+FZ581[]ID($W15P9(F(F$T6FWSWYD3AL) M<[IUP$7F]) P=K8#@@9F>PW,^1\#!%FV:?
_0E\+ZCG8DS$3"Z,SD T<;Z^.1 M,CT:[LBD-A+F=,R!BTSJ(6&LI0>CJ:*.9NT#7E6;JHK2?\@GFSS+_7@9Q(]M MXUZ,[#OPH3032J,UI?S8AZ:UH32G:R=<:%H/2F-MG9 JX*"NJ)Y9^"0+SI<9
M>4B3B/ ?/%T$&2^+$,_:(D1;>?!&#NVM 23-A-(HE&9!:3:4YM2T\>$8FVK' M(CD]:&1,CZ3D01O&4#11(5JC$.U\]>##C9\5)P=W_L^(QSGY6$KCD9>/WY-_MK"O7R9^?>?2-
IZWU.7F*WGI!TDPHC4)I%1F0VD.E.9":1Z4OE T48!-55Q] MK;*X"JV+0VDFE$:A- M*LZ$T!TISH30/2F,HFBB[ID*NRDODO:G1FL>97TUN MBR3+6Q4&K9%#;2:41FO:XI:IR,9A%FA M&TIS.O7
A>;TH#2&HHGR;$K:JKRF7;N'W7A1G,0$3YS4 M9D)I%$]SH#0;2G.@-!=*\Z TA]*)FFN*Z^KDM7'_L_\CB#81B3?EM%;]:U?I>=B6?EH5!ZWF0VDF ME$9KFF /',^TB7Z\'(16]*$TIV,?
7&A6#TIC*]JHDJ;ZK\K+_QT6A.2_Y O/ M\C18Y,4Y5:4G;;NEC+S]R=?.4(- U":";51*,V"TFPHS8'27"C-@!{8 MBB9N3VR,"IKR2BM'#6I7@-),*(U":1;49D-I#I3F0FD>E,90-%%VC3M"D[LC M.ET#ES-
Z*POJAH#2]'9: 6^Y;-AVU,FEN!"Z\0%:BV TDPHC4)I%11F0VD.E.9":1Z4OE T47:-^4&3FQ]M0F;&:]= M;-LKWZW:U^3(WH*#VA^@-*]=;HB?Z"-E/#M>^D$-$%";T[$/+C2K!Z4O%$T4
M26.!T,Y8(:[*=9IL#C<\]!CSZ<\16_10/T04!JM:8?G&KHQ.E8,U.;0):73 MY2 7VBX/2F,HFJB"QI2@R;?\N_$BY7ZA@OWLT&O2@!H3H#032J-0F@6EV=KI MMOC)6#D6"M1O *5Y4!I#T41%-7X#
[=S-!/Z?/75R:&\E00T'4!]%TBPHS:Y1 MPA6UL:9.)L=B0F9UH30/2F,HFBBFQI:@R6T)N^L&]1/"'K M3;I8E7.8OUP&Y;M^N)O+SLU?4%<"E&9":.11*LZ T6SO=X=\R?T'-!E":IZ4Q M%$V\"VUC-
M#E=T7822[E2QYM-[=NSY"ZGO:), 25%91F0FFTILT.AJYR<7(S M'&A.&TIS:MI4V@.7FM.#TAB*)NJE<0GHJ[-01) LR^FH% Z/I*L] M.;*W0*"F Z0B-FD6E&9#:]P^X7^ M)P_4Q "EF5 :U4\M "/CV.,
36E#:4Z7#KC0E!Z4QE T42 '7QH@MS## M_ENJ:H#23"B-0FD6E&9#:0Z4YD)I'I3&4#11=HVK0<>[&N3(WH*#NAJ@ M-*]?.@*FJJZKOO%B$.J[@-*#+G5 :0]%$V376"EUNK?
C"GXIIC6]OVT"R=1BT[F&24WIK3-XF]<-# MDG[0E59!08T34)H%I=E0F@.EN5":!Z4Q%$T45&.OT.7VBIO$3Y?R92+4(0&E MF5 :A=(L*,V&TAPHS872/"B-H6CBMXPV5@KCM>[;8$
=%%":.51*,V"TFPH MS8'27"C-@](8BB;*KG%D&/)2>\=EXAF*9&%W*P_M+2BHXP)*LZ T&TISH#07 M2O.@-(:BB8)]7!B&W(7A7-Q>%'-8$#^GU>SUQH_6OY5_R6UR\9V]^G0K74/* MZ;TG,Z@=
TJC4)H%I=E0F@.EN5":!Z4Q%$W47F/P,/376D-"/1Y0F@FE42C- M@M)L*,V!TEPHS8/2&(HFR]IQ>!AGO_^BS]=ARFF]M8BW_Z@]_KQS5$I M-*D%I=E0F@.EN5";U_)F:<9L,A:?+
(9**]JCL6(8FW[NSZ\B MGC[R6QZ&6:&,39R7JCYXE:3\H;PO\^5';3 \>?U6O335EM>I>FFWO>ZHEV[U M^K!).[;^X_\LY\^!G%&0OY0-$&YF!0=KD[C=D_R9'T]*$XPOR5YGD35PQ7W
MESPM#RA^_I D^>)F> Y2;]7W9S_#U!+ P04 " T19M9QGPYI?$*8 "- M<0 &0 'AL+W=O]OXC88Q_\5*SM- M=]+6 (*=#H!TK;/MI%6]RMWVXK07+GD@T24QLPW<_OO93&DBN!YMS1M(PO-\
MG,=?^TOLC+>4?>,Y@$#?][+F$R\78G7M^WR>0T7X!5U!+7]94%81(4 9TNKL+#\4R M%^]"/QVOR!)F(+ZL[ID\\SM*5E10\X+6B,%BXGT,K],P40DZXL\"MOS@&*E2
M'BG]IDX^91,O4'<$)2B#!5F7XH%N?X>VH*'BS6G)]2?:-K&#V$/S-1>T:I/E'51% MW7R3[VU'"'1(CCDA:A.BIPF#9Q+B-B$^M85!FS XM85AFZ!+]YO:=<=A(LAT MS.@6,14M:>I_I[[.EOU5U&]@S
23OQ8R3TP?8 /U&M![#((4)?^ ?D9?9AB] M?_'IO*>5OKZ:M;[W5&W"D?:][P M6\1XN,%DN&2R)GK%T@79CX>L?,A1]$E#QOTV]-]S8S%7.=LU79 X33UH7![8! M;_KC#V$2_&+]H4/N*'UL(_
M,U+S!3 &&2("W=.B%MJ&Y+\3^GH'U2,PXZ"T8E\Z*%W"L$M8Z@C6TR;IM$G_MY!B)2W%2T>C2QAV"4L=P7JB7'6B7)W)*]YPGCAAL' H M#\YC%G:N^;Z121E7(.P*E#H]=4

[8V(C64CY8")O#5/@W!*AC.\- MI]>ZM,#N>,O^SL6.L2RHAJGD7UAF\HGWVB,9+&G%S9WTH\DA:;2.+!HP*"B;J/WUL\M !($\ (&P X3Y@^ 0@:@"1"[16YL*:44,3 ML9(;H]PULMF!RXU#8S1,V%.<&X6[#'$FN8,UB_K(Z0P,95R3CU0I:E-[1EZ2 M^_F,G)ZFO;!"SO?MIX^6Z]A(^X>6"W$AAB@RR7:R/ MBEO9X5;V=7B4< [E,8F"%R0,PF&/GNEQ^_O2A \6JD)8D=@N\PZ"<;^NAO H<5%;[&C M:M2]&OV=*L[H@G%F&/1*JUF&'<<#[(=[ZD8'ZH8=FQU]<:LO/JIO6T *4KD2 M["=D=2VE^[K[9<<'B@8'JH*^->B\#L=!XM[Y1JQ1KF5,'7S:5?;7G_E6IS_ MV[Q^*&ZH6C&A"853??>F)DZ? K70AJ\26Z8XWL%RAK@_E)*LYU8 M!^T+F/P"4$L#!!0 (#1%FUG[@>5%PO=V]R:W-H M965TT%+8Y*1+*HD;6???B2E*)M*/%&H&]LD;K_[ZB[$TEQ=[#L@<2< CWF M&>%S*Q&BN+)M'B608WY!"R#RSH:R' O99%N;%POPK$5Y9GN.,[9SG!)K,=-] MMVPQHSN1I01N&>*[/.?LGVO(Z&%NN=93QUVZ383JL!>S F_A'L27XI;)EEU3 MXC0'PE-*$(/-W%]Z5Z'K*8&V^".% V]<(_4H:TH?5..-S/+<<-2+((!(*@>7? M'E:098HDQ_&M@EJU3R5L7C_10_WP\F'6F,.*9G^FL4CFUJ6%8MC@72;NZ.%G MJ!ŸHI'@1S:C^18?*UK%0M..'YI58CB!/2?F/'ZM - 22TRWP*H'W5L&@&@R. M!<,7!,-*,'RKAU$E&+W5P[@2C'7LRV#12/M8X,6,T0-BREK2U(5.EU;+ *=$ M5=:;8)/N*G5B(3.2X35E6"48+1G#9 NR<@1'[WT0.,TX^A6S\OX'] E]N??1 M^WT?-@A]\N M'W1%X_]Y# _^S]U8L!W55#C1O=&Y5(EELK?9O(@&&1(():HN^_B*9Z+. G/_5 M59WE ;= U#$^14O< 1S2T[8'-@>K,6//[ACYZ>NU]J$^29A@4E8: C6*HEA M71+#/OKB3A(QBO)= 3'LY9I8Z J 1[G*N=WO'3#2H8_5ON_[M2 M/3F=YN2G3'L&6_5Z/S>%)F&!25AH"-9*X66=PLM7)O1&RN1^/,(\Z MN?%)"GN]GYM"D[#)"PT!&NET'6>OYB=5Y+XTE+;MV'JAYZ[/!JE^49I@5%: M:(K63G;C>,3]WONF:@2F*L,DS3=*"XS20E.T=F5XSY7AF?\@6>>G6OO9$TX M6A'\#.1.3E3_H,*/C<(NHU'#]@RCW3B*S(%M]:$QEWO+'1'E^4_=6Q\L+_5Q M[%'_RKWRW8[^0!UDZZ//9WOY"GZ#V38E'&6PD:ZB: M"D%S?9D CH$I WE_0ZEX:B@'|?^XE]02P,$% @ -$6;6<#(-!.. @ MO0< !D !X;"|W;W)K&ULK551;],P$/XK5IC0 MD-B<)ND8)8VT-D7L86A:-WA /+C)M;'FV,%VVO'OL9TTM",K$^REL<_?]YWO MSKV+-T+>]P) HX>2<37V"]VK$<8]*Z DZE14P,W)4LB2;+.5*ZP]"21WI)+A MP/?/<$DH]Y+8V:YE$HM:,\KA6B)5ER61/R? Q&;L#;RMX8:N"FT-.(DKLH(Y MZ+OJ6IH=[E1R6@)75' D83GV+@:C663Q#O"%PD:MK)&-9""$O=UVCSL$(Q./R%H"<%C M0O0$(6P)X7.]1"TA>]Z'84MPH>,F=I>XE&B2Q%)LD+1HHV87+ON.,?)%N7TG M&YBK$V[]T(SEI7D\95\(2K$%T)K@N%9CR'O(>?'N:_/\#')NPN]F ;^R0X M*#B'ZA2%_EL4^$'4L. /@244I4QH6H) MZ-O%0FEI_LW?^^K=*(;]BK;#C51%,AA[IH4ID&OPDM>O!F?^A[YDOZ18^[)B MLQ<2VRM+U)4L>Z 2+8LV95D AR75?85H-,ZZ49&=M9LU%Z[%/K)/!J/IH,>> MFMG4C)+?\LU@ÑR)R1;E"#);&E7_ZSKQWV0R+9J-%Y;KA0FC36]VR/,/5I 68 M\Z40>KNQ#K]G?P"4$L#!!0 (#1%FUEG [7,R0, "$5 9 >&PO M=V]R:W-H965T'T3PXX030@,W:3M+1]F,;2D)*F;9CJ2\)&/]_Q^2">S)CK(? M/ 40Z*[("9l;J1#EN6WS50H%YB>T!"*?K"DKL)"W+++%YR0#'6E3DMN$;AAB&^* K/ _+R"GNZGE6O<#MUF2"C5@!Y,2)[\;F\ M8?+.;BAQ5@#A&26(P7[JS=SSR/650, XDL&,'UPCY6HY:$>2P M$@]!Y=<6YI#GBB37\5\-M1J;2GAX?4__H)V7SBPQASG-OV:O2*76F85B6.-- M+F[I[E^H'1HJWHKF7'^B73W7L=!JPP4M:K% <09&1ZAO?U8$X$$A.M"\K!=ZQ M8/"(P*\%_E,M#&K!X*D6AK5 NVY7ONO A5C@8,+H#C$U6]+4A8Z^5LMX9405 MRD(P^323.A$L()%I%^@62LI$1A*$28PN256",I5+65_H'Z)PV6:K7".9K(D M.7H;@L!9SM^A]^CS(D1OW[Q#;U!&T*>4;KC$\(DMY!*5(7M5+-^>B6H[WR\) M=$V)2#F*2 QQAS[LUX][!+8,31,?[SX^%UXO< 'E"?*=OY#G>(..][MW/D]Z]&+K;>"X3?%XFO>\!'>+6R!;("C-:.%BNX$."++8:[+%!C7M7-%2?+^ M2K[],9IQ#H*C;U>2@RX%%/Q[5TE41OUNHZI3GO,2KV!JR5:(@6W!"O[\PQTY M?W?EPR0L- F+#,%:F1LTE1OTT8.ÅB>'XOPZ7\E.R#5SO;&)O#\/;M,>T)T4/)WG>'M1R;M@X-^OW3G;N%,UD!HT>,3*9.9,PT"0L,@1K9>ZTR=SIRWM$)1WT M]HB'IWMXBSQK>S7M^B#9/_K7M[0R_@N15F$A:: MA$6&8*TLC)LLC%^C-XO-9LXD+#0)BPS!6IESG?T^P7EY=^C7=]\-=46_!AV^ M^X/Q40_IFC,ZZD51/Z@=@X.]DML;@QG/^O]?]\N?6XI&:;%16F2*ULZ$M\^$ M]Q[=I+9]*G\F::%16F2*UL[??B/I]NYV? M%-7K!3ZNXFAD"A*5!D %1%W#XX M\I$%G^BS-HY6=$-$M:%O1IOSO)D^Q3H:OW#/YV[>*C. __01TQY?'1Y>8Y9D MA*,<[384]:MX27SV=?]=[YSUFOS9&L 9,^-5'86U8CM31S;HH:& MVY%N0=')5IN&(YFFBFUK@)<>U,@X39++N.%"17GF]Y8FSW2'4BA8&F:[IN'F M]P*D[F?1.#ILK$15H!N(\ZSE%;P!O[9+0U8\L)2B.66%5LS =A:-QS>+]?/W M#M\$]/9HS5PF&ZV? G/%0SJ+$"0()!3H&3K\=W(*4CHAD_-IS1D-(!SQ>']@_ M^=PIEPVW<*OE=U%B/8O>1ZR$+>\DKG1_#_M\+AQ?H:7U7]8'WZOKB!6=1=WL MP:2@$2K\^?.^#D> -"T!D.X!]=<=GF5=QQYGAG=,^\B3>*R M1D.G@G"8KZ&B$B-;0:L-"E4QKDKVH,)U^/IMZ"[99]"5X6TM^B[9G*]?LC=W M@%Q(R]FP[8@K[MLL1M+2DF.-B'W1\IXIM /;Y#2; M&[4/ V ("9A'-D@6S@RA_ 6I\F7PXHW4Z:)V>8||7G:4=;YD-HD_I"PQ3S^ F M=Y>/LWAW'#O^ZJH&3.5GQ()"=PI#@PVIPWC.0U?^=0^S_V'" 58=.[,=:*5]^-E. MR$(;V-;Q)K$=W]WO[_/I.MAP\2!7 H]II3)H:-2*CMW79FL(.7RE&?])<% M%RE6>BJ6KLP$X+DU2JD:>%[733%A3CRP:Q.1#WBN*&P4CF;8K%TQ50OADZ MOK-=N"7+E3(+;CS(\!*FH,ZSB= SM_(R)RDP23A# A9#Y] (_O_*M@=WQFPR"TB"PW$4@2SG&"L<#P3=(F-W:FOE8J=9:PQ%FLC)50G|E MVD[%(YZF1.EC5A)A-6<)9XJP]:"$@$0G8U"84/D.+=3;-WZO?X$(0W %(;]?CM%)IX90 M!MWUZVKAE?J@4A_80-%?]A_M]!\3F5 N8X-LP'),T-W#7#81A11B^@K!=(;:K<-LD M-]&%+^BZ?B]LAHLJN.A5<(JC&:))O.=O%835Q&A6^,*.MX>KF[%U3W&H=UM M^.&,'HS2?#71@5O9J_! [Q_E//>BYSWO7T7LE_!]8^3|P*O,>?]ESGWHSU< M9Q77V3%*^6"^S_ZE@GWO=Y?P_BN??|ABZ;V.Y8=[:]>O-2__-2>V)V>ELWK2 MPC!Z#N'6F]GY,?F\O9(PB2@LM)EVWM+E+HI>7TP4SVQ_G7&EN!4=KO3_$0BS M07]?<?ZV$],RJS^N^!=02P,$% @ -$6;63|/3+P7 P |@H !D !X M;'W;W)K&ULK54MDYLV$/XK&IKI)#],(-X.KNV9^'"G_9#.3;[7 M? M89V68"R)5D._WWE0!C VQN_#%!O'LL]I'NV+1[,3X-[&C5*+O>5:(N;&3 MT9P(D^UIH9YL&,^)5++|:XD]IR0IC?+,8&-LX#7]/M3NH!:S';DRU]HO)Y |C5G=6P)&E. M"Y&R G&ZF1N?\72% VU0(OY*Z4E<72,=R@MCW_3-[\GD M#S3+-)_:QS\U]=`XU(;7UV?V7|O@53 O1- 'EOV=)G(W-T(#)71##[G\RDZ_ MT3H@7 .M62;*7W2JL!?0.N#D"ROC=4,\K2H_LGW6H@K WS+P*D-G*Z!=\/ MK0W<>SUXM8%WKP>_-BA#MZK82^%B(LE8QMD)<8U6:/JB>1*ZS[EA4ZA\G5_MTU39R<4?*AA]32=),2$"?T/3C-Z_^X#>(;MZ*E!:H.*C&E37?^[809 B&3-+JOEH5FM=^UY6OIT:OEWTA15R)|"J2&@"V,?#]M& MO:5T:,1PSF(LG4'")[HWD6M_1([M>,!\'NXW=Z%P?LS[ZLW>6V*X36:X)9]_ M*S,..>5$,CZ%5K:R=6%;O:M-Q9ZLZ=Q0VY>@_$B-Q<|_X<#^!9)U3+)X3++5 M2&2M!?":!?"&V"^EN>$L1VN5ZFEQ2(LM4F\)M3!JFP5KKB(-2E+]FC@N/D4! M]F?6\5IR"!5&N\(V* 903.9[7A]T@6."[=@-KQ>|W\?NOB#)12T!3?Y'@8K6 MNYY.&-F3C@("D=^1Z<80$4]KA7(A5T?%B!H! CN$@"*,>A+CD/?<3I!0C < M>D$G2@#F1MCOI,,*@'E^$-P(<]*$.1G<;&);./5FN[G53,;<:L8DB\U! [*%M[O1ET^P.(YIE1-T.A&.8F[KX@09OGNM&-#'4NBCAO5.05#4/M M(VIKXG:+%H+99C3I:@<*R3<*N) ,V]=>VY)<^G8\V)6"DH!1N_T)3$S;[48- MP'PSC+I1 S"UPI':2#1O .=ZU(.VP+]TR'FZ7SSOWCU6'!ZU=OSH &%0= RL M#@@W4!V7#AH/M]!#FKRF/OS[Z@. 0?4!LO7K X -U<>E]\;#;34L"AAWT:-^U MH H!8%"% #"P0@ <5"'6U:F/^E3? EL=M0N7ZH9#59WXSVASI?2X/LCKC2SQ] MP.\XK(\ RU.F"WUU?OB%\&U:\")31C7)EF_K C5='D3:P8 % L 9 M >&PO=V]R:W-H965TDF;5]U:G!)DZ#!C@S3KO]]V<(BX/MO 2.?&F3UN]C/P]@ M?KS)_(F+:\6&,8E^9&E>7(\V4FY?C\?%#'?Q@_LCLFOVUNAWHT/*JLD8WF1\!P)MKX>O<6O(SHK"ZH1?R7L M]3AZC4HXJ[Q_*]^\7UV/O')%+&5+64K$ZM'_ MU(^HS"LS]W"!;GCZ=[*2F^O1= (16:!WO4OF9/ W):D-]J;?D;5'1]$ [L<%L MA);[0O*L+E8KR))\ SO^40=Q5(#]$P6D+B#G%M"Z@)Y;X-<%?I7.WDJ5OQ3+ M>#$7_F)RR3?L17ZM&4B+@]' M@9Y'3.9)6KQ 5^CK782>/WN!G[$D1U\V?%?$^;]8CZ6:OU09+ ^NYWNWG(B?F MNF/;5XAZ+Q'QB.\HOX'+-(]94Y;@IX/RZ/S9C?*Q"NV0'#DD1R]IX(3>VZ)@ MTIG"OHZZ3+/ 76QC9?L>]2NU(*)1S9;_/X;#KTWOK8%(L&$FOD10]Y44A] M<1,7&Z1.'+0L7[#ON^0Q3EGNCG O%592Y=;UN, S,A_'B=CCZ%]MVL.BAR# MPA ?!C6<^ R3^:GTO\PX@=])]2& M#7!!/0]<<+ ;P =.[0]" [<\H/GG&@P+NY2'7R1Y82 @B!(-X MGS^]\Y6+A!4GCW=H,Y(@8A]L>@F>]81-<2$^;DX/-'6CS5K!MG*P0^Z'@HF!% M==%RN6%"W9"$4!$ 9]+$,C<]NMSV 3C&T*D1 +C$G@%,6P)06"7DSY=H MF\:E6^6_W*^VBG?DR2_M5P%%!O:T8T]2&V3]"1 P#RZOI_G9P?P.-%^1WQ5? M7^T*!ASGF6-2,ZI5&WL,O8%Q-43@:GIZQ9ZF'PT^ZDZK7.>7[6?VK54PS.U M/;L& ^<:=*X(7U=?T$?)AT/07+N,4G>:7NOS8PX02RZD]BOH3:AY?>"U]O6I(MPS"E?4CB^R1-I-]SG58'9;5!U:*AU)K):5S#,*]I$?&*H6W\L ^0:=WC4OI.% M/C'W/,OZ\FKYN-=)AF.DBMF9J UBI1YPESQA:"YZA!Z&V?W6OK_<& M9P8]R,R)/MBFP("8&-AGMO:0- CB,TDP;;FJ;(|#A%KGA3W*O[|[^!+ AS7Q M81CY/C6PI\VV@^PFT\"TJ1CE41, X77U]:T1$,,,6'<"\@>4LEB!0)MS& ^DP M-K'/,8A@"_ S@A?4UKM$/P^RW/'ISQ^N)!-9]W$;Z"S;K4,B>$U]/6OBPS#R M[7F@[4XYLYZD2>![U'3K $-,IN9C'+RBGHZ)QCX"8]^IKM<_ 'UEVS|2_S][. M0-!6MW6&5(N&4FO&J8&2X+ZML('HKPYM2+5H*+5F:$2M0Y#2NO7#8*W.,1*: MR$+S(66H*9OO:/PD.'YV:;+!4IW3<6 M,6]30TW93$?C*H%Q)8R>'*S0.10: M3[%UQER"3HFF4P+3Z3GM.5BB+=@[*P=. ^]:' 4',V@]*H3&!4/K-3'"*MT3L;1 M9C7A5"T:2]V9G$9H"B-T>XL2%N@AC=AB<^W8R8=G.4=D0;7XR.-2$S9PT0M,S$;JEQ0/+=,[%P=%] M2S*CN01)4TW2%";I3EU/6*MS/C923Z=6)/<@;]]FK8TA;LU1V&US@'9#.U; M-[1+$#35!$UA@OY@IH*4>."JT6U59TR#$C1U$+3Y8#,4C,V8-# ,305O-L%KG M?&R.#]?F \904S8#TB!-!^A+PQI=8[&[W#ZU/H8;:LY]+N.C;V^6W[7]&(N' M)" 4YK)6\MZKB=KMQ/[K]_LWDF^K+W3>&PO=V]R:W-H M965T"8QM)>9ZS73 MM' ;=EFBI%/R$[Z[T]@!VQI4>R<7Q(#W^[R+2OI6\'@D8L?Y8(QB9Z6 M>5%>]Q92KJXK*C(ME*M6AF#OE2K!T6ALMX;N LTZSH M#0?UN7LQ'/"US+."W0M4KI?+5/R\93E_O.[AWO.)K]E\ (:L3SG"P2N?L@($$FUWW;O!50FEE4"/^S-ACN?<;553&G/^'H#NZFUSVW MNB.6LXFL7*3WX;-6)Y7GM1]+MSVFMB5H;[0(H2)8%I%R=.B M^5 .*T9KO6+,M,TX/CW-ORWE8G1Y_G]ON1K[!]*PRG]{$EWXBMGS_]_S]TA MV7+-'WG#$>YBU+UOV(BT7/"6_V#UQ>AT1/1*/O\I%?\AA:'-HE*R:Z/R%T?Z# MKTP97AV<7CC(!_]HNS.&/MY3"W(ORD_M#9=<:=-=T=V? 6L8MLQ?OCS9&_LX; MPJ2$&O:'DILU%T_N-O9?C+Y_T97#Z^N^$,_4_RE&N5SRBDUDM6F9,/MR5*QQ M@$*O^%]/B* MNQA=RRU3[O_8'YC6^_]F+)174NI,VP_4M.[P$%'N9I,:V>)F M0NRI[O=WM=\+U8 ^^7-U>$;YOB <9 Y#Q$2&_Q1YD_D F1X%=T1[:;$)GJOBXJ1B9<5XW4 M&\4\O!) + '$1UT+SFBGRH&AMQV-RI1053\O]2WN$GP"'S[B$7ZCFFL@EL9;4 M]M+N"G_T/H6&[U-C0HI? M7:TR!WI0C)_(F2!.'$PK^VMZ<[UWH /LD>$K(^]MQ[ARJ[AM,N*PGX<0P]) MD15RRZ@,.:2!3Q,BFF"L[^AI&Y@VMNBB_$U=2&#VXXN/"68DR+Y8&%E]7[G& MAB[Z&[FQW=;L?#;(%3&R*^Z9=<7&C^]BR!,O=LYA|W?Z*!5UV?A0?!=#BHC1 M%5'1E!$'^A+V \@..;(=%NRI; WW;"V5<9&O; Y3L;^9'J"C%D!UB9#M&Y! CR\(%8EU\0:6QP M?&?=O]!?X,Q]0&A+T[.7J1VY#$M<.;[;L>FT"62) M :8]X8P09(D$V1*]]2/Y M]- %*+_XE.#$%;(OX,+TYUL2R"),LD<&<\A]@?]8D$P29)D,99(_]]W'A/R2 M(//O%2RA[&R0DE01[V@K*+,/>#6DE09^Z>I=9]A8DI)<$62]@BAD49 II)D76 MS&*=-"S4T@Z*,)TJHE27R6GD&32(Z0BO9"08]*/R4EZN<#U$&2I@&%VV$,@.MJ;382R)0F$T^^9B05%)DJ1P&VKT5#KDE17.+0,3]RNEC0FY)D=TR$#E.F*&\ M"4L3$DQZC+61-TQ_MB:#!),=5D M1TUK"A\3.E!VO+3&=2,?$UR31S80BIGN'(,E"$;:#[Z[L8D'Q.R4]X1&Y_M2G4\@|&7I>_::!WD5",>2? %@+ ^@>14 \T"R;/SVZ]_!(>2; MDWXI:$L((AXQ38^8TWI_XO0P2\@N)?:,&CAO[1>)22;$GM&#<3T MX\@2,DZ)_8 +-+T?&*>$C%-B/^("8@:.5#CFG1'9.WRI$SX!90L(ID84SN RQ M! 4Q(>&4R.(!,<,&^>FG1-;/P3ZEP>2[!!]UZ10T[B[6E^&PO7W)E;'.O=VIR:V)O;VLN>&UL+G)E M;'/-VDUNHT 0AN&K6!P@N*NZ]MNC.*O99!OE LAI_RBV0< HR>W'(>C'EW)LQD-['O:;EA\GH[G85WMQ['[5=?#9E].S? #0=N5\ MN:)M^U,S7I:]KNZ;S7NS*[4LEU[W$.JI\?[F8O7KZ[\S\1VNSULRNI\+4 MSN,_!M!P0[$(@=D.Q 8'9 M ,!V@'9#@1N!X0[$,@=D.Y 8'= O.[MWH)Z"X'>@GH+@=XR>=DFT%M0;R'06U!O(=!;4&\AT%M0;R'06U!O(=!;4&\A MT%M0;R'06U%O)=!;46\ET%M1;R706RD<"O2/]'0GTCI./W01Z1]0[$N@= M4>] (H'=$O2.!WA'UC@1Z1]0[$NAMJ+<1Z&VHMQ'H;:BW$>AMJ+<1Z&VHMQ'H M;9.?E01Z& ^IM/'H;ZFT$>AOJ;01Z& ^IM/'H[ZNT$>CO[[01Z. ^KM!'H[ZNT$ M>CO[[01Z. ^KM!'K[9+,)@=Z.>CN!WHYZ.X'>CGH[@=X)4X$>B?4.O'HG5#O M1*!W0KT3@=X)4X$>B?4.O'HG5#O1*!WFFP6)- [H=Z)0. ^$>B<"O3/[G0GT MSJ4W)M [H]Z90. ^.>F<"O3/[GOGTSJ4W)M [H]Z90. ^.>F<"O?-DL_=/ZCV. M7\7!E&ULS=M-:MLP$(:A MJQC:!I8L4J34(LZFf;:-HA=@)3H6K# ^O3.K';^_OXX6:\Z]MW@M\D^A.ECEOEZ;WOCTW&R0US9C:XW(7YU=]EDZH.YLYG8 M;'16CT.P0UB'N49R<_W9[LO]%U9?CO%GWX[#-G&V\|G]TVGCG+5-S#1U;6U" M7.\>AN:/E/530AI/+GO\OIW\5=R09*[S"M_#W@Z]^W!.MGY$]_T..YV;6V;L;[OXY'43\Z;QN^M#7V7GHI>G4\.\8;MZ3. _M.\U/EL>E]_O[S-^]?_./@2D#PGIHX#TH2!]:$@?):2/"M+'!T@?^8;2 M"$74G$)I3C$UZ'-4U3-*SF%%=$"]PY159!D5509!44605%5D6155!D%119 M!45609%54&25%%DE159)D5529)44625%5DF155)DE119)476@B)K09&UH,A: M4&0M*+(6%%D+BJP%1=;" (FM!D5519%44615%5D6155%D5119%45619%54615 M%%DU159-D5539-44635%5DV155-DU119-45639&UL\A:4F0M*;*6%%E+BJPE M1=:2(FM)D:6DR%I29*THLE8462N*K!5%UHDH:T61M:+(6E%DK2?GK8_&\?"/ MXY=GVIMV>,/[EK^3W/P"4$L! A0#% @ -$6;60=!36*! L0 ! M (! &1O8U!R;W!S+V%P<"YX;E0O2P$"% ,4 " T M19M9L TI[^X K @ $0 @ &O 9&]C4'O><',O8VIR M92YX;6O02P$"% ,4 " T19M9F5R<(Q & "<)P $P M@ ', 0 >&PO=&AE;64O=&AE;64Q+GAM:%! + 0(4 Q0 (#1%FUE*^)@X M)@8 %)C 8 " @0T(!X;"]W;W)K&PO=V]R:W-H965T&UL4$L! A0#% @ -$6; M64MG>9\2 P :PH !@ ("!NQ8 'AL+W=O&PO=V]R:W-H M965T&UL4$L! A0#% @ -$6;6=XE*YNA"@ T6L !@ M ("!*R8 'AL+W=O&PO=V]R:W-H965T&UL M4$L! A0#% @ -$6;656(*@%# @ D 8 !@ ("!CT M 'AL+W=O., ^ MRQ0 "] 9 " @6$] !X;"]W;W)K&UL4$L! A0#% @ -$6;66]NM]9,$@ FS, !D M ("!<54 'AL+W=O&PO=V]R:W-H965T M&UL4$L! A0# M% @ -$6;6:+OQLO8 P GP< !D ("!2FX 'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ -$6;6:DF M .4]!0 [PL !D ("!7WL 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -$6;6:PK$&-" P OP< !D M ("!((8 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ -$6;6:E,Z"D;#@ &"< !D ("! MA90 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ -$6;6?GKC8#@ P F@@ !D ("!ZH 'AL+W=O&PO=V]R:W-H965T'$!X;"]W;W)K&UL4$L! A0#% @ -$6;63]FPIY,$@ O#4 !D M ("!^=('AL+W=O&PO=VIR M:W-H965T&UL M4$L! A0#% @ -$6;6:-%>OV% @ D04 !D ("!L>P M 'AL+W=O&PO=VIR:W-H965T&UL4$L! A0#% @ M-$6:651@G"\4 P CP< !D ("!KO4 'AL+W=O&PO=VIR:W-H965T&UL4$L! A0#% @ -$6:63&UVX,< P MEP< !D ("!]O\ 'AL+W=O&PO=VIR:W-H965T&UL4$L! A0#% @ -$6:64[C]MW@ @ -@< !D M ("!- D! 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ -$6:69B*U4I1 P 'PD !D ("!]A$! 'AL M+W=O&PO=V]R:W-H965TX: 0!X;"]W;W)K&UL4$L! A0#% @ -$6:M63K#W=D! F!H !D ("!"B$! 'AL+W=OH" #"" @0 M @(&E)0$ >&PO=V]R:W-H965T>S , "07 9 " @<8H 0!X;"]W;W)K M&UL4$L! A0#% @ -$6:64X'P@-'! (I, M !D ("!R2P! 'AL+W=O&PO=VIR:W-H965T&UL4$L! A0#% @ -$6:6=E("2\D @ H00 !D M ("!;#P! 'AL+W=O&PO=VIR:W-H965T M&UL4$L! A0# M% @ -$6:6;&-RID0 P 20H !D ("!:40! 'AL+W=O M&PO=V]R:W-H965T&UL4$L! A0#% @ -$6:6:(MH(;B!0 "2< !D ("!O$T! 'AL+W=O&PO=VIR:W-H965T&UL4$L! A0#% @ -$6:6?1S*61[P / \ !D M ("!6%H! 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ -$6:64@HS]# @ # D !D ("! MTF4! 'AL+W=O&PO=V]R:W-H965TA@(.D& 9 M " @4%L 0!X;"]W;W)K&UL4$L! A0#% M @ -$6:61B']$= P R0P !D ("!_FX! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -$6:6<9\.:7Q P C1D !D M ("!E8X! 'AL+W=O&PO=V]R M:W-H965T&UL M4$L! A0#% @ -$6:6<#(-!.. @ O0< !D ("!UID! M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ M-$6:67_[B*K? @ ?0D !D ("!!:.! 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ -$6:67=[Q6Q< P [!0 T M (!9L$! 'AL+W-T>6QE&PO=V]R:V)O

M;VLN>&UL4$L! A0#% @ -$6;6<,EV4B4 @ WS, !H M (!*<&5S72YX;6Q02P4& & 8 !7&@ 6M$! end XML 101 Show.js IDEA: XBRL DOCUMENT // Edgar(tm) Renderer was created by staff of the U.S. Securities and Exchange Commission. Data and content created by government employees within the scope of their employment are not subject to domestic copyright protection. 17 U.S.C. 105. var Show={};Show.LastAR=null,Show.showAR=function(a,r,w){if(Show.LastAR)Show.hideAR();var e=a;while(e&&e.nodeName!='TABLE')e=e.nextSibling;if(!e||e.nodeName!='TABLE'){var ref=((window)?w.document:document).getElementById(r);if(ref){e=ref.cloneNode(!0);e.removeAttribute('id');a.parentNode.appendChild(e)}} if(e).style.display='block';Show.LastAR=e};Show.hideAR=function(){Show.LastAR.style.display='none'};Show.toggleNext=function(a){var e=a;while(e.nodeName!='DIV')e=e.nextSibling;if(!e.style){}else if(!e.style.display){}else{var d,p ;if(e.style.display=='none'){d='block';p='-'}else{d='none';p='+'}e.style.display=d;if(a.textContent){a.textContent=p+a.textContent.substring(1)}else{a.innerText=p+a.innerText.substring(1)}} } XML 102 report.css IDEA: XBRL DOCUMENT /* Updated 2009-11-04 */ /* v2.2.0.24 */ /* DefRef Styles */ .report table.authRefData{ background-color: #def; border: 2px solid #2F4497; font-size: 1em; position: absolute; } .report table.authRefData a { display: block; font-weight: bold; } .report table.authRefData p { margin-top: 0px; } .report table.authRefData .hide { background-color: #2F4497; padding: 1px 3px 0px 0px; text-align: right; } .report table.authRefData .hide a:hover { background-color: #2F4497; } .report table.authRefData .body { height: 150px; overflow: auto; width: 400px; } .report table.authRefData table{ font-size: 1em; } /* Report Styles */ .pl a, .pl a:visited { color: black; text-decoration: none; } /* table */ .report { background-color: white; border: 2px solid #acf; clear: both; color: black; font: normal 8pt Helvetica, Arial, san-serif; margin-bottom: 2em; } .report hr { border: 1px solid #acf; } /* Top labels */ .report th { background-color: #acf; color: black; font-weight: bold; text-align: center; } .report th.void { background-color: transparent; color: #000000; font: bold 10pt Helvetica, Arial, san-serif; text-align: left; } .report .pl { text-align: left; vertical-align: top; white-space: normal; width: 200px; white-space: normal; /* word-wrap: break-word; */ } .report td.pl a.a { cursor: pointer; display: block; width: 200px; overflow: hidden; } .report td.pl div.a { width: 200px; } .report td.pl a:hover { background-color: #ffc; } /* Header rows... */ .report tr.rh { background-color: #acf; color: black; font-weight: bold; } /* Calendars... */ .report .rc { background-color: #f0f0f0; } /* Even rows... */ .report .re, .report .reu { background-color: #def; } .report .reu td { border-bottom: 1px solid black; } /* Odd rows... */ .report .ro, .report .rou { background-color: white; } .report .rou td { border-bottom: 1px solid black; } .report .rou table td, .report .reu table td { border-bottom: 0px solid black; } /* styles for footnote marker */ .report .fn { white-space: nowrap; } /* styles for numeric types */ .report .num, .report .nump { text-align: right; white-space: nowrap; } .report .nump { padding-left: 2em; } .report .nump { padding: 0px 0.4em 0px 2em; } /* styles for text types */ .report .text { text-align: left; white-space: normal; } .report .text .big { margin-bottom: 1em; width: 17em; } .report .text .more { display: none; } .report .text .note { font-style: italic; font-weight: bold; } .report .text .small { width: 10em; } .report sup { font-style: italic; } .report .outerFootnotes { font-size: 1em; } XML 104 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.4 html2243831true620false7 falsefalseR1.htm00000001 - Document - CoverSheethttp://amcigroup.com/role/CoverCoverCover1 falsefalseR2.htm00000002 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited)Sheethttp://amcigroup.com/role/CondensedConsolidatedBalanceSheetsCONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited)Statements2 falsefalseR3.htm00000003 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical)Sheethttp://amcigroup.com/role/CondensedConsolidatedBalanceSheetsParentheticalCONDENSED CONSOLIDATED BALANCE SHEETS (Unaudited) (Parenthetical)Statements3 falsefalseR4.htm00000004 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)Sheethttp://amcigroup.com/role/CondensedConsolidatedStatementsOfOperationsCONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)Statements4 falsefalseR5.htm00000005 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited)Sheethttp://amcigroup.com/role/CondensedConsolidatedStatementsOfComprehensiveLossCONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (Unaudited)Statements5 falsefalseR6.htm00000006 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited)Sheethttp://amcigroup.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquityCONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY (Unaudited)Statements6 falsefalseR7.htm00000007 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)Sheethttp://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlowsCONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)Statements7 falsefalseR8.htm995410 - Disclosure - Pay vs Performance DisclosureSheethttp://xbrl.sec.gov/ecd/role/PvpDisclosurePay vs Performance DisclosureNotes8 falsefalseR9.htm995445 - Disclosure - Insider Trading ArrangementsSheethttp://xbrl.sec.gov/ecd/role/InsiderTradingArrangementsInsider Trading ArrangementsNotes9 falsefalseR10.htm995613 - Disclosure - Basis of presentationSheethttp://amcigroup.com/role/BasisOfPresentationBasis of presentationNotes10 falsefalseR11.htm995614 - Disclosure - Summary of Significant Accounting PoliciesSheethttp://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesSummary of Significant Accounting PoliciesNotes11 falsefalseR12.htm995615 - Disclosure - Related party disclosuresSheethttp://amcigroup.com/role/RelatedPartyDisclosuresRelated party disclosuresNotes12 falsefalseR13.htm995616 - Disclosure - Accounts receivable, netSheethttp://amcigroup.com/role/AccountsReceivableNetAccounts receivable, netNotes13 falsefalseR14.htm995617 - Disclosure - InventoriesSheethttp://amcigroup.com/role/InventoriesInventoriesNotes14 falsefalseR15.htm995618 - Disclosure - Prepaid expenses and other current assetsSheethttp://amcigroup.com/role/PrepaidExpensesAndOtherCurrentAssetsPrepaid expenses and other current assetsNotes15 falsefalseR16.htm995619 - Disclosure - Intangible AssetsSheethttp://amcigroup.com/role/IntangibleAssetsIntangible AssetsNotes16 falsefalseR17.htm995620 - Disclosure - Property, plant and equipment, netSheethttp://amcigroup.com/role/PropertyPlantAndEquipmentNetProperty, plant and equipment, netNotes17 falsefalseR18.htm995621 - Disclosure - Other non-current assetsSheethttp://amcigroup.com/role/OtherNon-currentAssetsOther non-current assetsNotes18 falsefalseR19.htm995622 - Disclosure - Trade and other payablesSheethttp://amcigroup.com/role/TradeAndOtherPayablesTrade and other payablesNotes19 falsefalseR20.htm995623 - Disclosure - Other current liabilitiesSheethttp://amcigroup.com/role/OtherCurrentLiabilitiesOther current liabilitiesNotes20 falsefalseR21.htm995624 - Disclosure - LeasesSheethttp://amcigroup.com/role/LeasesLeasesNotes21 falsefalseR22.htm995625 - Disclosure - Private Placement Warrants and Working Capital WarrantsSheethttp://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrantsPrivate Placement Warrants and Working Capital WarrantsNotes22 falsefalseR23.htm995626 - Disclosure - Stockholders??? 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Disclosure - Discontinued Operations (Tables)Sheethttp://amcigroup.com/role/DiscontinuedOperationsTablesDiscontinued Operations (Tables)Tableshttp://amcigroup.com/role/DiscontinuedOperations48 falsefalseR49.htm995652 - Disclosure - Basis of presentation (Details)Sheethttp://amcigroup.com/role/BasisOfPresentationDetailsBasis of presentation (Details)Detailshttp://amcigroup.com/role/BasisOfPresentationTables49 falsefalseR50.htm995653 - Disclosure - Basis of presentation (Details Narrative)Sheethttp://amcigroup.com/role/BasisOfPresentationDetailsNarrativeBasis of presentation (Details Narrative)Detailshttp://amcigroup.com/role/BasisOfPresentationTables50 falsefalseR51.htm995654 - Disclosure - Summary of Significant Accounting Policies (Details)Sheethttp://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsSummary of Significant Accounting Policies (Details)Detailshttp://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesTables51 falsefalseR52.htm995655 - Disclosure - Summary of Significant Accounting Policies (Details 1)Sheethttp://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails1Summary of Significant Accounting Policies (Details 1)Detailshttp://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesTables52 falsefalseR53.htm995656 - 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As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method." } } }, "auth_ref": [ "r10", "r325", "r332", "r762" ] }, "dei_AnnualInformationForm": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AnnualInformationForm", "presentation": [ "http://amcigroup.com/role/Cover" ], "lang": { "en-us": { "role": { "label": "Annual Information Form", "documentation": "Boolean flag with value true on a form if it is an annual report containing an annual information form." } } }, "auth_ref": [ "r842" ] }, "us-gaap_AreaOfRealEstateProperty": { "xbrltype": "areaItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AreaOfRealEstateProperty", "presentation": [ "http://amcigroup.com/role/LeasesDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "Area of leased space", "documentation": "Area of a real estate property." } } }, "auth_ref": [] }, 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Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. 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Warrants and rights represent derivative securities that give the holder the right to purchase securities (usually equity) from the issuer at a specific price within a certain time frame. Warrants are often included in a new debt issue to entice investors by a higher return potential. The main difference between warrants and call options is that warrants are issued and guaranteed by the company, whereas options are exchange instruments and are not issued by the company. Also, the lifetime
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of a warrant is often measured in years, while the lifetime of a typical option is measured in months." } } }, "auth_ref": [] }, "us-gaap_ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1", "presentation": ["http://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrantsDetailsNarrative", "http://amcigroup.com/role/StockholdersEquityDetailsNarrative", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Exercise price (in dollars per share)", "verboseLabel": "Exercise price", "terseLabel": "Exercise price of warrant (in dollars per share)", "documentation": "Exercise price per share or per unit of warrants or rights outstanding." } } }, "auth_ref": ["r394"] }, "adn_ClassOfWarrantOrRightIssued": { "xbrltype": "sharesItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "ClassOfWarrantOrRightIssued", "presentation": ["http://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrantsDetailsNarrative", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Warrants issued (in shares)", "verboseLabel": "Warrants issued", "documentation": "Number of warrants or rights issued during the period." } } }, "auth_ref": [] }, "us-gaap_ClassOfWarrantOrRightLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ClassOfWarrantOrRightLineItems", "presentation": ["http://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrantsDetailsNarrative", "http://amcigroup.com/role/StockholdersEquityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Class of Warrant or Right [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury." } } }, "auth_ref": ["r79"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheetsParenthetical", "http://amcigroup.com/role/StockholdersEquityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Common stock, shares outstanding (in shares)", "verboseLabel": "Common stock, shares outstanding", "documentation": "Number of shares of common stock outstanding. 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This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": ["r79", "r599", "r791"] }, "ecd_CompActuallyPaidVsCoSelectedMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsCoSelectedMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Company Selected Measure" } } }, "auth_ref": ["r874"] }, "ecd_CompActuallyPaidVsNetIncomeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsNetIncomeTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Net Income" } } }, "auth_ref": ["r873"] }, "ecd_CompActuallyPaidVsOtherMeasureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsOtherMeasureTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Other Measure" } } }, "auth_ref": ["r875"] }, "ecd_CompActuallyPaidVsTotalShareholderRtnTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "CompActuallyPaidVsTotalShareholderRtnTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Compensation Actually Paid vs. Total Shareholder Return" } } }, "auth_ref": ["r872"] }, "us-gaap_ComputerSoftwareIntangibleAssetMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ComputerSoftwareIntangibleAssetMember", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Computer Software, Intangible Asset [Member]", "documentation": "Collection of computer programs and related data that provide instructions to a computer, for example, but not limited to, application program, control module or operating system, that perform one or more particular functions or tasks." } } }, "auth_ref": ["r736", "r740", "r959", "r960", "r961", "r962", "r964", "r965", "r967", "r968"] }, "srt_ConsolidatedEntitiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesAxis", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Consolidated Entities [Axis]", "documentation": "Information by consolidated entity or group of entities." } } }, "auth_ref": ["r161", "r176", "r233", "r483", "r484", "r487", "r488", "r546", "r730", "r914", "r915", "r916", "r978", "r981", "r982"] }, "srt_ConsolidatedEntitiesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesDomain", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "documentation": "Entity or group of entities consolidated into reporting entity." } } }, "auth_ref": ["r161", "r176", "r233", "r483", "r484", "r487", "r488", "r546", "r730", "r914", "r915", "r916", "r978", "r981", "r982"] }, "us-gaap_ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestEffectsOfChangesNetLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestEffectsOfChangesNetLineItems", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Consolidation, Less than Wholly Owned Subsidiary, Parent Ownership Interest, Effects of Changes, Net [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": [] }, "us-gaap_ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestEffectsOfChangesNetTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConsolidationLessThanWhollyOwnedSubsidiaryParentOwnershipInterestEffectsOfChangesNetTable", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Consolidation, Less-than-Wholly-Owned Subsidiary, Parent Ownership Interest, Effect of Change [Table]", "documentation": "Disclosure of information about effect of change in parent's ownership interest in subsidiary on equity attributable to parent. Excludes change from deconsolidation of subsidiary." } } }, "auth_ref": ["r13", "r50"] }, "us-gaap_ContractWithCustomerAssetGrossCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetGrossCurrent", "crdr": "debit", "presentation": ["http://amcigroup.com/role/RevenueDetailsNarrative"], "lang": { "en-us": { "role": { "verboseLabel": "Contract assets", "label": "Contract with Customer, Asset, before Allowance for Credit Loss, Current", "documentation": "Amount, before allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current." } } }, "auth_ref": ["r983", "r984"] }, "us-gaap_ContractWithCustomerAssetNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerAssetNetCurrent", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/DiscontinuedOperationsDetails"], "lang": { "en-us": { "role": { "label": "Contract assets", "documentation": "Amount, after allowance for credit loss, of right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time, classified as current." } } }, "auth_ref": ["r396", "r398", "r409"] }, "us-gaap_ContractWithCustomerLiability": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiability", "crdr": "credit", "presentation": ["http://amcigroup.com/role/RevenueDetailsNarrative"], "lang": { "en-us": { "role": { "verboseLabel": "Contract liabilities", "label": "Contract with Customer, Liability", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has

been received or is receivable." } } }, "auth_ref": ["r396", "r397", "r409"] }, "us-gaap_ContractWithCustomerLiabilityCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityCurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/DiscontinuedOperationsDetails"], "lang": { "en-us": { "role": { "label": "Contract liabilities", "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r396", "r397", "r409"] }, "us-gaap_ContractWithCustomerLiabilityRevenueRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractWithCustomerLiabilityRevenueRecognized", "crdr": "credit", "presentation": ["http://amcigroup.com/role/RevenueDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Revenue recognized from contract liabilites", "documentation": "Amount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due." } } }, "auth_ref": ["r410"] }, "us-gaap_ContractualObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractualObligation", "crdr": "credit", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesDetails"], "lang": { "en-us": { "role": { "label": "Contractual Obligation", "documentation": "Amount of contractual obligation, including, but not limited to, long-term debt, lease obligation, purchase obligation, and other commitments." } } }, "auth_ref": ["r938"] }, "us-gaap_ContractualObligationDueInSecondYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractualObligationDueInSecondYear", "crdr": "credit", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesDetails"], "lang": { "en-us": { "role": { "label": "Contractual Obligation, to be Paid, Year One", "documentation": "Amount of contractual obligation to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "us-gaap_ContractualObligationDueInThirdYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ContractualObligationDueInThirdYear", "crdr": "credit", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesDetails"], "lang": { "en-us": { "role": { "label": "Contractual Obligation, to be Paid, Year Two", "documentation": "Amount of contractual obligation to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [] }, "srt_ContractualObligationFiscalYearMaturityScheduleTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ContractualObligationFiscalYearMaturityScheduleTableTextBlock", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesTables"], "lang": { "en-us": { "role": { "label": "Schedule of contractual obligations", "documentation": "Tabular disclosure of contractual obligation by timing of payment due. Includes, but is not limited to, long-term debt obligation, lease obligation, and purchase obligation." } } }, "auth_ref": ["r909", "r939"] }, "adn_ContractualObligationMinimumQuantity": { "xbrltype": "areaItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "ContractualObligationMinimumQuantity", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Contractual obligation, minimum quantity" } } }, "auth_ref": [] }, "adn_ContractualObligationMinimumQuantityPieces": { "xbrltype": "integerItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "ContractualObligationMinimumQuantityPieces", "presentation": ["http://amcigroup.com/role/CommitmentsAndContingenciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Contractual obligation, minimum quantity, pieces" } } }, "auth_ref": [] }, "adn_ContractualObligationQuantity": { "xbrltype": "areaItemType", "nsuri": 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This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities." } } }, "auth_ref": ["r95", "r96", "r555"] }, "srt_CounterpartyNameAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "CounterpartyNameAxis", "presentation": ["http://amcigroup.com/role/StockholdersEquityDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Counterparty Name [Axis]", "documentation": "Information by name of counterparty. A counterparty is the other party that participates in a financial transaction. Examples include, but not limited to, the name of the financial institution." } } }, "auth_ref": ["r183", "r184", "r231", "r232", "r363", "r382", "r544", "r552", "r593", "r746", "r748"] }, "dei_CountryRegion": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CountryRegion", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Country Region", "documentation": "Region code of country" } } }, "auth_ref": [] }, "dei_CoverAbstract": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CoverAbstract", "lang": { "en-us": { "role": { "documentation": "Cover page." } } }, "auth_ref": [] }, "adn_CreditLossAllowance": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "CreditLossAllowance", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Credit loss allowance" } } }, "auth_ref": [] }, "adn_CreditLossCustomerContracts": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "CreditLossCustomerContracts", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 7.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations", "http://amcigroup.com/role/DiscontinuedOperationsDetails1"], "lang": { "en-us": { "role": { "negatedLabel": "Credit loss \u2013 customer contracts", "negatedTerseLabel": "Credit loss \u0096 customer contracts", "label": "CreditLossCustomerContracts" } } }, "auth_ref": [] }, "us-gaap_CreditLossFinancialInstrumentPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CreditLossFinancialInstrumentPolicyTextBlock", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Credit Losses", "documentation": "Disclosure of accounting policy for credit loss on financial instrument measured at amortized cost basis, net investment in lease, off-balance sheet credit exposure, and available-for-sale debt security. Includes, but is not limited to, methodology used to estimate allowance for credit loss, how writeoff of uncollectible amount is recognized, and determination of past due status and nonaccrual status." } } }, "auth_ref": ["r295", "r296", "r297", "r299", "r300", "r304", "r305", "r306", "r307", "r308", "r309", "r310", "r311", "r312", "r314", "r315", "r316", "r317"] }, "adn_CumulativeImpairment": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "CumulativeImpairment", "crdr": "debit", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Cumulative Impairment" } } }, "auth_ref": [] }, "adn_CumulativeImpairmentOnIntangibleAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "CumulativeImpairmentOnIntangibleAssets", "crdr": "debit", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Cumulative Impairment on intangible assets" } } }, "auth_ref": [] }, "dei_CurrentFiscalYearEndDate": { "xbrltype": "gMonthDayItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CurrentFiscalYearEndDate", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Current Fiscal Year End Date", "documentation": "End date of current fiscal year in the format --MM-DD." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentCarryingAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentCarryingAmount", "crdr": "credit", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Debt carrying amount", "documentation": "Amount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt." } } }, "auth_ref": ["r19", "r130", "r377"] }, "us-gaap_DebtInstrumentDescription": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentDescription", "presentation": ["http://amcigroup.com/role/SubsequentEventsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Note description", "documentation": "Identification of the lender and information about a contractual promise to repay a short-term or long-term obligation, which includes borrowings under lines of credit, notes payable, commercial paper, bonds payable, debentures, and other contractual obligations for payment. This may include rationale for entering into the arrangement, significant terms of the arrangement, which may include amount, repayment terms, priority, collateral required, debt covenants, borrowing capacity, call features, participation rights, conversion provisions, sinking-fund requirements, voting rights, basis for conversion if convertible and remarketing provisions. The description may be provided for individual debt instruments, rational groupings of debt instruments, or by debt in total." } } }, "auth_ref": ["r19", "r37", "r56", "r70", "r128", "r130", "r528"] }, "us-gaap_DebtInstrumentInterestRateEffectivePercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentInterestRateEffectivePercentage", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Annual interest rate", "documentation": "Effective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium." } } }, "auth_ref": ["r73", "r378", "r528", "r529", "r789"] }, "adn_DebtInstrumentInterestRateOverdue": { "xbrltype": "percentItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DebtInstrumentInterestRateOverdue", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Overdue interest rate" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentLineItems", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Debt Instrument [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r233", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r376", "r763", "r764", "r765", "r766", "r767", "r789", "r935", "r1022", "r1023"] }, "adn_DebtInstrumentOfferedAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DebtInstrumentOfferedAmount", "crdr": "credit", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Debt offered amount" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentTable", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Schedule of Long-Term Debt Instruments [Table]", "documentation": "Disclosure of information about long-term debt instrument or arrangement." } } }, "auth_ref": ["r19", "r37", "r38", "r55", "r116", "r117", "r233", "r360", "r361", "r362", "r363", "r364", "r365", "r366", "r367", "r368", "r369", "r370", "r371", "r372", "r373", "r374", "r375", "r376", "r763", "r764", "r765", "r766", "r767", "r789", "r935", "r1022", "r1023"] }, "adn_DecreaseincreaseInDueToRelatedParties": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DecreaseincreaseInDueToRelatedParties", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 21.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "(Decrease)/increase in due to related parties", "label": "DecreaseincreaseInDueToRelatedParties" } } }, "auth_ref": [] }, "us-gaap_DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredCostsCapitalizedPrepaidAndOtherAssetsDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Deferred Costs, Capitalized, Prepaid, and Other Assets Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DeferredIncomeCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeCurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/DiscontinuedOperationsDetails"], "lang": { "en-us": { "role": { "label": "Deferred income from grants, current", "documentation": "Amount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as current." } } }, "auth_ref": ["r906"] }, "us-gaap_DeferredIncomeNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeNoncurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesNoncurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Deferred income from grants, non-current", "documentation": "Amount of deferred income excluding obligation to transfer product and service to customer for which consideration has been received or is receivable, classified as noncurrent." } } }, "auth_ref": ["r906"] }, "us-gaap_DeferredIncomeTaxExpenseBenefit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DeferredIncomeTaxExpenseBenefit", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 11.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Benefit for current and deferred income taxes", "documentation": "Amount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations." } } }, "auth_ref": ["r10", "r156", "r937"] }, "us-gaap_DefinedBenefitPlanNetPeriodicBenefitCost": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanNetPeriodicBenefitCost", "crdr":

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Includes production and non-production related depreciation." } } }, "auth_ref": ["r10", "r34"] }, "us-gaap_DerivativeFinancialInstrumentsAssetsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeFinancialInstrumentsAssetsMember", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails1"], "lang": { "en-us": { "role": { "label": "Derivative Financial Instruments, Assets [Member]", "documentation": "Financial asset or other contract with one or more underlyings, with notional amount or payment provision or both, and contract can be net settled by means outside contract or delivery of asset." } } }, "auth_ref": ["r513"] }, "us-gaap_DerivativeFinancialInstrumentsLiabilitiesMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeFinancialInstrumentsLiabilitiesMember", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails1", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails2", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Derivative Financial Instruments, Liabilities [Member]", "documentation": "This item represents derivative instrument obligations meeting the definition of a liability which are reported as of the balance sheet date. Derivative instrument obligations are generally measured at fair value, and adjustments to the carrying amount of hedged items reflect changes in their fair value (that is, losses) that are attributable to the risk being hedged and that arise while the hedge is in effect." } } }, "auth_ref": ["r513"] }, "us-gaap_DerivativeLiabilitiesNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativeLiabilitiesNoncurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesNoncurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Warrant liability", "documentation": "Fair value, after the effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset, expected to be settled after one year or the normal operating cycle, if longer. Includes assets not subject to a master netting arrangement and not elected to be offset." } } } }, "auth_ref": ["r212"] }, "us-gaap_DerivativesAndFairValueTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DerivativesAndFairValueTextBlock", "presentation": ["http://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrants"], "lang": { "en-us": { "role": { "label": "Private Placement Warrants and Working Capital Warrants", "documentation": "The entire disclosure for derivatives and fair value of assets and liabilities." } } }, "auth_ref": ["r124", "r125"] }, "adn_DirectOwnershipMember": { "xbrltype": "domainItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DirectOwnershipMember", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Direct Ownership [Member]", "documentation": "Direct owner refers to individuals and entities who directly own shares or are partners in any legal entity." } } }, "auth_ref": [] }, "us-gaap_DisaggregationOfRevenueLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueLineItems", "presentation": ["http://amcigroup.com/role/RevenueDetails"], "lang": { "en-us": { "role": { "label": "Disaggregation of Revenue [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r408", "r768", "r769", "r770", "r771", "r772", "r773", "r774"] }, "us-gaap_DisaggregationOfRevenueTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTable", "presentation": ["http://amcigroup.com/role/RevenueDetails"], "lang": { "en-us": { "role": { "label": "Disaggregation of Revenue [Table]", "documentation": "Disclosure of information about disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": ["r408", "r768", "r769", "r770", "r771", "r772", "r773", "r774"] }, "us-gaap_DisaggregationOfRevenueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTableTextBlock", "presentation": ["http://amcigroup.com/role/RevenueTables"], "lang": { "en-us": { "role": { "label": "Schedule of revenue", "documentation": "Tabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor." } } }, "auth_ref": ["r985"] }, "adn_DisclosureLeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DisclosureLeasesAbstract", "lang": { "en-us": { "role": { "label": "Leases" } } }, "auth_ref": [] }, "adn_DisclosureOtherCurrentLiabilitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DisclosureOtherCurrentLiabilitiesAbstract", "lang": { "en-us": { "role": { "label": "Other Current Liabilities" } } }, "auth_ref": [] }, "adn_DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DisclosurePrepaidExpensesAndOtherCurrentAssetsAbstract", "lang": { "en-us": { "role": { "label": "Prepaid Expenses And Other Current Assets" } } }, "auth_ref": [] }, "adn_DisclosurePrivatePlacementWarrantsAndWorkingCapitalWarrantsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DisclosurePrivatePlacementWarrantsAndWorkingCapitalWarrantsAbstract", "lang": { "en-us": { "role": { "label": "Private Placement Warrants And Working Capital Warrants" } } }, "auth_ref": [] }, "us-gaap_DiscontinuedOperationsAndDisposalGroupsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DiscontinuedOperationsAndDisposalGroupsAbstract", "lang": { "en-us": { "role": { "label": "Discontinued Operations and Disposal Groups [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DisposalGroupIncludingDiscontinuedOperationAssetsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupIncludingDiscontinuedOperationAssetsNoncurrent", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsNoncurrent", "weight": 1.0, "order": 7.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "verboseLabel": "Assets of discontinued operations", "label": "Disposal Group, Including Discontinued Operation, Assets, Noncurrent", "documentation": "Amount classified as assets attributable to disposal group held for sale or disposed of, expected to be disposed of after one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r2", "r5", "r58", "r67", "r113", "r187", "r188"] }, "us-gaap_DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock", "presentation": ["http://amcigroup.com/role/DiscontinuedOperations"], "lang": { "en-us": { "role": { "label": "Discontinued Operations", "documentation": "The entire disclosure related to a disposal group. Includes, but is not limited to, a discontinued operation, disposal classified as held-for-sale or disposed of by means other than sale or disposal of an individually significant component." } } }, "auth_ref": ["r57", "r110"] }, "adn_DisposalOfSubsidiaries": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "DisposalOfSubsidiaries", "crdr": "credit", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Disposal of subsidiaries (Unaudited)" } } }, "auth_ref": [] }, "dei_DocumentAccountingStandard": { "xbrltype": "accountingStandardItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAccountingStandard", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Accounting Standard", "documentation": "The basis of accounting the registrant has used to prepare the financial statements included in this filing This can either be 'U.S. GAAP', 'International Financial Reporting Standards', or 'Other'." } } }, "auth_ref": ["r830"] }, "dei_DocumentAnnualReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAnnualReport", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Annual Report", "documentation": "Boolean flag that is true only for a form used as an annual report." } } }, "auth_ref": ["r828", "r830", "r842"] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Fiscal Period Focus", "documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY." } } }, "auth_ref": [] }, "dei_DocumentFiscalYearFocus": { "xbrltype": "gYearItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalYearFocus", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Fiscal Year Focus", "documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006." } } }, "auth_ref": [] }, "dei_DocumentPeriodEndDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodEndDate", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Period End Date", "documentation": "For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD." } } }, "auth_ref": [] }, "dei_DocumentPeriodStartDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentPeriodStartDate", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Period Start Date", "documentation": "The start date of the period covered in the document, in YYYY-MM-DD format." } } }, "auth_ref": [] }, "dei_DocumentQuarterlyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentQuarterlyReport", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Quarterly Report", "documentation": "Boolean flag that is true only for a form used as an quarterly report." } } }, "auth_ref": ["r829"] }, "dei_DocumentRegistrationStatement": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentRegistrationStatement", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Registration Statement", "documentation": "Boolean flag that is true only for a form used as a registration statement." } } }, "auth_ref": ["r817"] }, "dei_DocumentShellCompanyEventDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyEventDate", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Shell Company Event Date", "documentation": "Date of event requiring a shell company report." } } }, "auth_ref": ["r830"] }, "dei_DocumentShellCompanyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyReport", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Shell Company Report", "documentation": "Boolean flag that is true for a Shell Company Report pursuant to section 13 or 15(d) of the Exchange Act." } } }, "auth_ref": ["r830"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Transition Report", "documentation": "Boolean flag that is true only for a form used as a transition report." } } }, "auth_ref": ["r863"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Type", "documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). 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Excludes amounts for disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates." } } }, "auth_ref": ["r520"] }, "adn_EmorySDeCastroMember": { "xbrltype": "domainItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "EmorySDeCastroMember", "presentation": ["http://amcigroup.com/role/RelatedPartyDisclosuresDetails"], "lang": { "en-us": { "role": { "label": "Emory S. 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bankruptcy proceedings during the preceding five years, the value Yes indicates that the registrant has filed all documents and reports required to be filed by Section 12, 13 or 15(d) of the
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each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each
class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity
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The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3). Where the quoted price in an active market for the identical liability is not available, the Level 1 input is the quoted price of an identical liability when traded as an asset." } } }, "auth_ref": [ "r1015", "r1016" ] }, "us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationByLiabilityClassDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationByLiabilityClassDomain", "presentation": [ "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails1", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails2", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative" ], "lang": { "en-us": { "role": { "documentation": "Represents classes of liabilities measured and disclosed at fair value." } } }, "auth_ref": [ "r505", "r506", "r507", "r508", "r509", "r510", "r513" ] }, "us-gaap_FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationLineItems", "presentation": [ "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails1", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails2" ], "lang": { "en-us": { "role": { "label": "Fair Value, Liabilities Measured on Recurring Basis, Unobservable Input Reconciliation [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Disclosures include, but are not limited to, how an entity that manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities." } } }, "auth_ref": [] }, "adn_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations", "crdr": "credit", "presentation": [ "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetails2" ], "lang": { "en-us": { "role": { "label": "Foreign exchange fluctuations" } } }, "auth_ref": [] }, "us-gaap_FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of the company." } } }, "auth_ref": ["r324", "r329", "r334", "r762"] }, "us-gaap_IndefinitelivedIntangibleAssetsAcquired": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IndefinitelivedIntangibleAssetsAcquired", "crdr": "debit", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Indefinite-lived intangible assets", "documentation": "Amount of increase in assets, excluding financial assets and goodwill, lacking physical substance with an indefinite life, from an acquisition." } } }, "auth_ref": ["r329", "r966"] }, "adn_IndirectOwnershipMember": { "xbrltype": "domainItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "IndirectOwnershipMember", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Indirect Ownership [Member]", "documentation": "Indirect Ownership means an interest in an entity that has direct or indirect ownership interest in the Applicant. The amount of indirect ownership in the Applicant that is held by any other entity is determined by multiplying the percentage of ownership interest at each level." } } }, "auth_ref": [] }, "ecd_IndividualAxis": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "IndividualAxis", "presentation": ["http://xbrl.sec.gov/ecd/role/AwardTimingDisclosure", "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Individual [Axis]" } } }, "auth_ref": ["r839", "r850", "r860", "r877", "r885", "r889", "r897"] }, "ecd_InsiderTradingArrLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingArrLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Arrangements [Line Items]" } } }, "auth_ref": ["r895"] }, "ecd_InsiderTradingPoliciesProcLineItems": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTradingPoliciesProcLineItems", "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures [Line Items]" } } }, "auth_ref": ["r831", "r900"] }, "ecd_InsiderTrdPoliciesProcAdoptedFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcAdoptedFlag", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures Adopted" } } }, "auth_ref": ["r831", "r900"] }, "ecd_InsiderTrdPoliciesProcNotAdoptedTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "InsiderTrdPoliciesProcNotAdoptedTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/InsiderTradingPoliciesProc"], "lang": { "en-us": { "role": { "label": "Insider Trading Policies and Procedures Not Adopted" } } }, "auth_ref": ["r831", "r900"] }, "us-gaap_IntangibleAssetsAmortizationPeriodMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsAmortizationPeriodMember", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails1"], "lang": { "en-us": { "role": { "label": "Intangible Assets, Amortization Period [Member]", "documentation": "A revision in the estimated economic useful life of a finite-lived intangible asset (the period of time over which the asset is projected to benefit operations)." } } }, "auth_ref": [] }, "us-gaap_IntangibleAssetsGrossExcludingGoodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsGrossExcludingGoodwill", "crdr": "debit", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Gross Carrying Amount", "label": "Intangible Assets, Gross (Excluding Goodwill)", "documentation": "Amount before accumulated amortization of intangible assets, excluding goodwill." } } }, "auth_ref": ["r196"] }, "adn_IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization", "crdr": "credit", "presentation": ["http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Accumulated Amortization", "label": "Period of Warranty Reserve Expected to be Incurred" } } }, "auth_ref": [] }, "us-gaap_IntangibleAssetsNetExcludingGoodwill": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IntangibleAssetsNetExcludingGoodwill", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsNoncurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/IntangibleAssetsDetails"], "lang": { "en-us": { "role": { "label": "Intangibles, net", "verboseLabel": "Net Carrying Amount", "documentation": "Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges." } } }, "auth_ref": ["r324", "r965", "r966"] }, "us-gaap_InterestAndOtherIncome": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestAndOtherIncome", "crdr": "credit", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Interest income", "documentation": "The amount of interest income and other income recognized during the period. Included in this element is interest derived from investments in debt securities, cash and cash equivalents, and other investments which reflect the time value of money or transactions in which the payments are for the use or forbearance of money and other income from ancillary business-related activities (that is, excluding major activities considered part of the normal operations of the business)." } } }, "auth_ref": [] }, "us-gaap_InterestIncomeExpenseNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InterestIncomeExpenseNet", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations", "http://amcigroup.com/role/DiscontinuedOperationsDetails1"], "lang": { "en-us": { "role": { "label": "Finance income / (expenses), net", "documentation": "Amount of interest income (expense) classified as operating." } } }, "auth_ref": ["r588", "r948"] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": ["http://amcigroup.com/role/Inventories"], "lang": { "en-us": { "role": { "verboseLabel": "Inventories", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": ["r318"] }, "us-gaap_InventoryFinishedGoods": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoods", "crdr": "debit", "calculation": { "http://amcigroup.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryGross", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Finished goods", "documentation": "Amount before valuation and LIFO reserves of completed merchandise or goods expected to be sold within one year or operating cycle, if longer." } } }, "auth_ref": ["r921"] }, "us-gaap_InventoryGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryGross", "crdr": "debit", "calculation": { "http://amcigroup.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryNet", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total", "label": "Inventory, Gross", "documentation": "Gross amount, as of the balance sheet date, of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r923"] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryNet", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 }, "http://amcigroup.com/role/InventoriesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/DiscontinuedOperationsDetails", "http://amcigroup.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Inventories", "totalLabel": "Total", "verboseLabel": "Inventories, net", "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": ["r208", "r742", "r791"] }, "us-gaap_InventoryPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryPolicyTextBlock", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "verboseLabel": "Inventories", "label": "Inventory, Policy [Policy Text Block]", "documentation": "Disclosure of inventory accounting policy for inventory classes, including, but not limited to, basis for determining inventory amounts, methods by which amounts are added and removed from inventory classes, loss recognition on impairment of inventories, and situations in which inventories are stated above cost." } } }, "auth_ref": ["r146", "r191", "r207", "r318", "r319", "r320", "r554", "r749"] }, "us-gaap_InventoryRawMaterialsAndSupplies": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryRawMaterialsAndSupplies", "crdr": "debit", "calculation": { "http://amcigroup.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryGross", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Raw materials and supplies", "documentation": "Gross

amount of unprocessed materials to be used in manufacturing or production process and supplies that will be consumed." } } }, "auth_ref": ["r923"] }, "us-gaap_InventoryWorkInProcess": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryWorkInProcess", "crdr": "debit", "calculation": { "http://amcigroup.com/role/InventoriesDetails": { "parentTag": "us-gaap_InventoryGross", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://amcigroup.com/role/InventoriesDetails"], "lang": { "en-us": { "role": { "label": "Work-in-process", "documentation": "Amount before valuation and LIFO reserves of merchandise or goods in the production process expected to be completed within one year or operating cycle, if longer." } } }, "auth_ref": ["r922"] }, "us-gaap_InvestorMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InvestorMember", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Investor [Member]", "documentation": "Business entity or individual that puts money, by purchase or expenditure, in something offering potential profitable returns, such as interest income or appreciation in value." } } }, "auth_ref": ["r1026", "r1027"] }, "adn_IssuanceOfCommonStockForCashShares": { "xbrltype": "sharesItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "IssuanceOfCommonStockForCashShares", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Issuance of common stock for cash, shares" } } }, "auth_ref": [] }, "us-gaap_LandBuildingsAndImprovementsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LandBuildingsAndImprovementsMember", "presentation": ["http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Land, Buildings and Improvements [Member]", "documentation": "Real estate held and additions or improvements to real estate held and structures used in the conduct of business." } } }, "auth_ref": [] }, "adn_LeaseLiabilitiesLongterm": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LeaseLiabilitiesLongterm", "crdr": "credit", "presentation": ["http://amcigroup.com/role/DiscontinuedOperationsDetails"], "lang": { "en-us": { "role": { "label": "Lease liabilities \u0096 long-term" } } }, "auth_ref": [] }, "us-gaap_LeaseholdImprovementsGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseholdImprovementsGross", "crdr": "debit", "presentation": ["http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Leasehold improvements", "documentation": "Amount before accumulated depreciation of additions or improvements to assets held under a lease arrangement." } } }, "auth_ref": ["r112"] }, "adn_LessCumulativeImpairment": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LessCumulativeImpairment", "crdr": "credit", "presentation": ["http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Less: cumulative impairment" } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": ["http://amcigroup.com/role/LeasesTables"], "lang": { "en-us": { "role": { "label": "Schedule of maturities of operating lease liabilities", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position." } } }, "auth_ref": ["r1025"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total undiscounted lease payments", "label": "Lessee, Operating Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "Thereafter", "label": "Lessee, Operating Lease, Liability, to be Paid, after Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease due after fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "2024", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFive": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFive", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "2028", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Five", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fifth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "2027", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "2026", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "calculation": { "http://amcigroup.com/role/LeasesDetails": { "parentTag": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "verboseLabel": "2025", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "presentation": ["http://amcigroup.com/role/LeasesDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Less: imputed interest", "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": ["r536"] }, "us-gaap_LesseeOperatingLeaseRenewalTerm": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseRenewalTerm", "presentation": ["http://amcigroup.com/role/LeasesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Term of option to extend lease", "documentation": "Term of lessee's operating lease renewal, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r1024"] }, "us-gaap_LesseeOperatingLeaseTermOfContract": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseTermOfContract", "presentation": ["http://amcigroup.com/role/LeasesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Lease contract term", "documentation": "Term of lessee's operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": ["r1024"] }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": ["http://amcigroup.com/role/Leases"], "lang": { "en-us": { "role": { "verboseLabel": "Leases", "label": "Lessee, Operating Leases [Text Block]", "documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability." } } }, "auth_ref": ["r531"] }, "us-gaap_Liabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Liabilities", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesAndStockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets", "http://amcigroup.com/role/DiscontinuedOperationsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total liabilities", "label": "Total Liabilities", "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others." } } }, "auth_ref": ["r19", "r70", "r71", "r72", "r74", "r75", "r76", "r77", "r229", "r292", "r351", "r352", "r353", "r354", "r355", "r356", "r357", "r358", 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items, including the portion of equity attributable to noncontrolling interests, if any." } } }, "auth_ref": ["r85", "r132", "r602", "r791", "r936", "r955", "r1021"] }, "us-gaap_LiabilitiesAndStockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesAndStockholdersEquityAbstract", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "LIABILITIES AND STOCKHOLDERS\u2019 EQUITY" } } }, "auth_ref": [] }, "us-gaap_LiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LiabilitiesCurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_Liabilities", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Total current 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group held for sale or disposed of, expected to be disposed of beyond one year or the normal operating cycle, if longer." } } }, "auth_ref": ["r2", "r5", "r58", "r67", "r113", "r187", "r188"] }, "us-gaap_LineOfCredit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LineOfCredit", "crdr": "credit", "presentation": ["http://amcigroup.com/role/LeasesDetailsNarrative", "http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Letter of credit", "verboseLabel": "Long-Term Line of Credit", "documentation": "The carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement." } } }, "auth_ref": ["r19", "r130", "r1034"] }, "us-gaap_LitigationSettlementExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LitigationSettlementExpense", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 6.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Provision for litigation expenses", "documentation": "Amount of litigation expense, including but not limited to legal, forensic, accounting, and investigative fees." } } }, "auth_ref": ["r907"] }, "us-

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Includes disclosure for allowance for credit losses." } } }, "auth_ref": ["r528", "r952"] }, "dei_LocalPhoneNumber": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "LocalPhoneNumber", "presentation": ["http://amcigroup.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Local Phone Number", "documentation": "Local phone number for entity." } } }, "auth_ref": [] }, "us-gaap_LongtermDebtTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeAxis", "presentation": ["http://amcigroup.com/role/SubsequentEventsDetailsNarrative", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Long-Term Debt, Type [Axis]", "documentation": "Information by type of long-term debt." } } }, "auth_ref": ["r19", "r971", "r972", "r973"] }, "us-gaap_LongtermDebtTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LongtermDebtTypeDomain", "presentation": ["http://amcigroup.com/role/SubsequentEventsDetailsNarrative", "http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Type of long-term debt arrangement, such as notes, line of credit, commercial paper, asset-based financing, project financing, letter of credit financing. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the company, if longer." } } }, "auth_ref": ["r19", "r36", "r971", "r972", "r973"] }, "adn_LongtermOperatingLeaseLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LongtermOperatingLeaseLiabilities", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesNoncurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Long-term operating lease liabilities" } } }, "auth_ref": [] }, "adn_LossContingency": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LossContingency", "crdr": "debit", "calculation": { 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for discounting)." } } }, "auth_ref": ["r349", "r975"] }, "adn_LossContingencyLiabilities": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LossContingencyLiabilities", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedBalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedBalanceSheets"], "lang": { "en-us": { "role": { "label": "Loss contingency liabilities" } } }, "auth_ref": [] }, "adn_LossFromDiscontinuedOperations": { "xbrltype": "monetaryItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "LossFromDiscontinuedOperations", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 2.0 } }, "presentation": 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operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit." } } }, "auth_ref": ["r225"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash Flows from Financing Activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInInvestingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivities", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "adn_NetDecreaseInCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsFromContinuingOperations", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net Cash provided by / (used in) Investing Activities", "label": "Net Cash Provided by (Used in) Investing Activities", "documentation": "Amount of cash inflow (outflow) from investing activities, including discontinued operations. 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An operating segment is a component of an enterprise: (a) that engages in business activities from which it may earn revenues and incur expenses (including revenues and expenses relating to transactions with other components of the same enterprise), (b) whose operating results are regularly reviewed by the enterprise's chief operating decision maker to make decisions about resources to be allocated to the segment and assess its performance, and (c) for which discrete financial information is available. An operating segment may engage in business activities for which it has yet to earn revenues, for example, start-up operations may be operating segments before earning revenues." } } }, "auth_ref": [ "r757", "r947" ] }, "adn_NumberOfSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "NumberOfSharesAuthorized", "presentation": [ "http://amcigroup.com/role/StockholdersEquityDetailsNarrative" ], "lang": { "en-us": { "role": { "label": "Shares authorized", "documentation": "The maximum number of common shares and preferred shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations": { "parentTag": 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Excludes insurance and lease contracts." } } }, "auth_ref": [ "r158", "r399", "r400", "r401", "r402", "r403", "r404", "r405", "r406", "r411" ] }, "us-gaap_RevenueFromExternalCustomersByGeographicAreasTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromExternalCustomersByGeographicAreasTableTextBlock", "presentation": [ "http://amcigroup.com/role/SegmentReportingAndInformationAboutGeographicalAreasTables" ], "lang": { "en-us": { "role": { "verboseLabel": "Segment Reporting and Information about Geographical Areas", "label": "Revenue from External Customers by Geographic Areas [Table Text Block]", "documentation": "Tabular disclosure of revenue from external customers by geographic areas attributed to the entity's country of domicile and to foreign countries from which the entity derives revenue." } } }, "auth_ref": [ "r108" ] }, "us-gaap_Revenues": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Revenues", "crdr": "credit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": [ "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations", "http://amcigroup.com/role/DiscontinuedOperationsDetails1" ], "lang": { "en-us": { "role": { "label": "Revenue, net", "documentation": "Amount of revenue recognized from goods sold, services rendered, insurance premiums, or other activities that constitute an earning process. 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Excludes indefinite-lived intangible asset." } } }, "auth_ref": ["r324", "r331", "r335", "r336", "r337", "r556", "r736", "r762"] }, "adn_ScheduleOfIntangibleAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "ScheduleOfIntangibleAssetsTableTextBlock", "presentation": ["http://amcigroup.com/role/IntangibleAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of intangible assets" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://amcigroup.com/role/InventoriesTables"], "lang": { "en-us": { "role": { "label": "Schedule of inventories", "documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process." } } }, "auth_ref": ["r20", "r87", "r88", "r89"] }, "us-gaap_ScheduleOfOtherCurrentAssetsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfOtherCurrentAssetsTableTextBlock", "presentation": ["http://amcigroup.com/role/PrepaidExpensesAndOtherCurrentAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of other current assets", "documentation": "Tabular disclosure of the carrying amounts of other current assets." } } }, "auth_ref": [] }, "adn_ScheduleOfPrepaidExpenses": { "xbrltype": "textBlockItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "ScheduleOfPrepaidExpenses", "presentation": ["http://amcigroup.com/role/PrepaidExpensesAndOtherCurrentAssetsTables"], "lang": { "en-us": { "role": { "label": "Schedule of prepaid expenses" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfPropertyPlantAndEquipmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfPropertyPlantAndEquipmentTable", "presentation": ["http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetails"], "lang": { "en-us": { "role": { "label": "Property, Plant and Equipment [Table]", "documentation": "Disclosure of information about physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation." } } }, "auth_ref": ["r11", "r537"] }, "us-gaap_ScheduleOfRelatedPartyTransactionsByRelatedPartyTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRelatedPartyTransactionsByRelatedPartyTable", "presentation": ["http://amcigroup.com/role/RelatedPartyDisclosuresDetails"], "lang": { "en-us": { "role": { "label": "Related Party Transaction [Table]", "documentation": "Disclosure of information about related party transaction." } } }, "auth_ref": ["r53", "r54", "r684", "r685", "r688"] }, "us-gaap_ScheduleOfRelatedPartyTransactionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRelatedPartyTransactionsTableTextBlock", "presentation": ["http://amcigroup.com/role/RelatedPartyDisclosuresTables"], "lang": { "en-us": { "role": { "label": "Schedule of related parties", "documentation": "Tabular disclosure of related party transactions. Examples of related party transactions include, but are not limited to, transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners and (d) affiliates." } } }, "auth_ref": [] }, "us-gaap_ScheduleOfRestrictedCashAndCashEquivalentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestrictedCashAndCashEquivalentsTextBlock", "presentation": ["http://amcigroup.com/role/SummaryOfSignificantAccountingPoliciesTables"], "lang": { "en-us": { "role": { "label": "Schedule of restricted cash and cash equivalents", "documentation": "Tabular disclosure of cash and cash equivalents restricted as to withdrawal or usage." } } }, "auth_ref": ["r17", "r126", "r1035"] }, "us-gaap_ScheduleOfRestructuringAndRelatedCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRestructuringAndRelatedCostsTable", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Restructuring Cost [Table]", "documentation": "Disclosure of information about restructuring cost. 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Long-lived asset excludes financial instrument, customer relationship with financial institution, mortgage and other servicing right, deferred policy acquisition cost, and deferred tax asset." } } }, "auth_ref": ["r33", "r91"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://amcigroup.com/role/StockholdersEquityDetails", "http://amcigroup.com/role/StockholdersEquityDetails1"], "lang": { "en-us": { "role": { "label": "Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table]", "documentation": "Disclosure of information about share-based payment arrangement." } } }, "auth_ref": ["r424", "r426", "r427", "r428", "r429", "r430", "r431", "r432", "r433", "r434", "r435", "r436", "r437", "r438", "r439", "r440", "r441", "r442", "r443", "r444", "r445", "r446", "r447", "r448", "r449", "r450", "r451", "r452"] }, "us-gaap_ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock", "presentation": ["http://amcigroup.com/role/StockholdersEquityTables"], "lang": { "en-us": { "role": { "label": "Schedule of restricted stock units granted", "documentation": "Tabular disclosure of the number and weighted-average grant date fair value for restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock units that were granted, vested, or forfeited during the year." } } }, "auth_ref": ["r120"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://amcigroup.com/role/StockholdersEquityTables"], "lang": { "en-us": { "role": { "label": "Schedule of activities for unvested stock", "documentation": "Tabular disclosure for stock option plans. 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Reportable segments include those that meet any of the following quantitative thresholds a) it's reported revenue, including sales to external customers and intersegment sales or transfers is 10 percent or more of the combined revenue, internal and external, of all operating segments b) the absolute amount of its reported profit or loss is 10 percent or more of the greater, in absolute amount of 1) the combined reported profit of all operating segments that did not report a loss or 2) the combined reported loss of all operating segments that did report a loss c) its assets are 10 percent or more of the combined assets of all operating segments." } } }, "auth_ref": ["r140", "r261", "r265", "r266", "r267", "r268", "r269", "r273", "r274", "r275", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r287", "r753", "r754", "r755", "r756", "r758", "r759", "r760"] }, "adn_SellOfPropertyPlantAndEquipmentDescription": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "SellOfPropertyPlantAndEquipmentDescription", "presentation": ["http://amcigroup.com/role/PropertyPlantAndEquipmentNetDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Plant and machinery description" } } }, "auth_ref": [] }, "us-gaap_SellingGeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SellingGeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 4.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfOperations", "http://amcigroup.com/role/DiscontinuedOperationsDetails1"], "lang": { "en-us": { "role": { "negatedLabel": "Administrative and selling expenses", "label": "Selling, General and Administrative Expense", "documentation": "The aggregate total costs related to selling a firm's product and services, as well as all other general and administrative expenses. Direct selling expenses (for example, credit, warranty, and advertising) are expenses that can be directly linked to the sale of specific products. Indirect selling expenses are expenses that cannot be directly linked to the sale of specific products, for example telephone expenses, Internet, and postal charges. General and administrative expenses include salaries of non-sales personnel, rent, utilities, communication, etc." } } }, "auth_ref": ["r99"] }, "adn_SeniorNoteMember": { "xbrltype": "domainItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "SeniorNoteMember", "presentation": ["http://amcigroup.com/role/SubsequentEventsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Senior Note [Member]" } } }, "auth_ref": [] }, "us-gaap_ServiceMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ServiceMember", "presentation": ["http://amcigroup.com/role/RevenueDetails"], "lang": { "en-us": { "role": { "label": "Service [Member]", "documentation": "Assistance, including, but not limited to, technology, license and maintenance, license and service, maintenance, oil and gas, and financial service." } } }, "auth_ref": ["r768"] }, "us-gaap_ShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensation", "crdr": "debit", "calculation": { "http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 9.0 } }, "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Stock-based compensation expense", "documentation": "Amount of noncash expense for share-based payment arrangement." } } }, "auth_ref": ["r9"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod", "presentation": ["http://amcigroup.com/role/StockholdersEquityDetails1"], "lang": { "en-us": { "role": { "negatedLabel": "Number of shares forfeited", "label": "Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period", "documentation": "The number of equity-based payment instruments, excluding stock (or unit)

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Includes shares issued in an initial public offering or a secondary public offering." } } }, "auth_ref": ["r14", "r78", "r79", "r118", "r637", "r704", "r717", "r815"] }, "us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueShareBasedCompensation", "crdr": "credit", "presentation": ["http://amcigroup.com/role/CondensedConsolidatedStatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Stock issued under stock compensation plan (Unaudited)", "documentation": "Value, after forfeiture, of shares issued under share-based payment arrangement. 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Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business." } } }, "auth_ref": ["r547", "r548"] }, "adn_SubsidiariesInConsolidationTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "SubsidiariesInConsolidationTableTextBlock", "presentation": ["http://amcigroup.com/role/BasisOfPresentationTables"], "lang": { "en-us": { "role": { "label": "Schedule of subsidiaries in consolidation" } } }, "auth_ref": [] }, "adn_SubsidiaryPlaceOfIncorporation": { "xbrltype": "stringItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "SubsidiaryPlaceOfIncorporation", "presentation": ["http://amcigroup.com/role/BasisOfPresentationDetails"], "lang": { "en-us": { "role": { "label": "Country of Incorporation", "documentation": "Information of place of incorporation of the entity." } } }, "auth_ref": [] }, "us-gaap_SubsidiarySaleOfStockAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SubsidiarySaleOfStockAxis", "presentation": ["http://amcigroup.com/role/PrivatePlacementWarrantsAndWorkingCapitalWarrantsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Sale of Stock [Axis]", "documentation": "Information by type of sale of the entity's stock." } } }, "auth_ref": [] }, "adn_SuppliersMember": { "xbrltype": "domainItemType", "nsuri": "http://amcigroup.com/20240930", "localname": "SuppliersMember", "presentation": ["http://amcigroup.com/role/OtherNon-currentAssetsDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Suppliers [Member]" } } }, "auth_ref": [] }, "ecd_TabularListTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "TabularListTableTextBlock", "presentation": ["http://xbrl.sec.gov/ecd/role/PvpDisclosure"], "lang": { "en-us": { "role": { "label": "Tabular List, Table" } } }, "auth_ref": ["r876"] }, "us-gaap_TaxesPayableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TaxesPayableCurrent", "crdr": "credit", "calculation": { "http://amcigroup.com/role/OtherCurrentLiabilitiesDetails": { "parentTag": "us-gaap_OtherLiabilitiesCurrent", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://amcigroup.com/role/OtherCurrentLiabilitiesDetails"], "lang": { "en-us": { "role": { "label": "Taxes and duties payable", "documentation": "Carrying value as of the balance sheet date of obligations incurred and payable for statutory income, sales, use, payroll, excise, real property and other taxes. 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RBZ!"K&"AIL0&("ING7H0.PML&6"4L[]*BGK@WBF^'GV(M46=!YC%&.8O*T@V04=P[N2BC#HS&8/1U:)CL*-Z5A*&H<'0[AOWBOG)FTZ2 M 8 E42G&D5^=M;T)@T K>5FT M/G2V&O_W1[%@BHU*&.']^$<:X-K9[6%TM/+>93FVAK3U]+Y7G">ZMS([+!M@ M6?I(9CF49J0&2"K.%MW[FAV2^J]9R$V<-30&V"F>F8I;"]U4N1=D?1,3#86 M[\V? 3>TV&.:W37*&E4\R@$3SH&IG-.U:OS!%:?(.\-#> ^EFH&_WZ*UN.[O M&P.\%5]+RT=OUPZUVO?/"A-ML 4#5.)<.MO2;6C:YM(>K78&2T$%%O&E6 MU"U!6L!4C NKIS. 37&H5-W$[.;#IIN:1Z='Y4'"/IM#JR[Y5W2#598;2X_!P !I]6+1'I?6NXGRV_6&XHKT)3@9]_U4M+^ M_.;-TQF;>W#!:GAP8#, &7%C5/SPD%GZ'O#IRR[S L8 *]X<"*

***/MH;* #;%^;/\]L7_^VE+_&^..+['"^=)IH1]NF D_7& M!RCBM!7#BT\'R L.3XY/WAR?G1[_$!0^>EK["86H(7]\?'QZ&G,_"/*EKV3 MX^/3&/AB0VWK35@@YBI<'D\EC_[9V5E/4@$3&4$(2XY>(GO"("2A*)Y]_\01 M]<"PW7LYQ7TT;ZHX%,'^-!3X6O#_]I"[VRI;I%#?R.%A[M:OH':8%E-UL)%H+IR2'@>-K7BU-74G[GK3H!=KTFG2 A%Q\:*9_C(N^B ML^+)%_:=0'.PD;H)_0Q\O"M=;4MNIY:N;;?83^.)A*K2QCO_RG\&320 M!^AWB/V"_ @?'QT?'_>3O?<-7L\Q.Y["Q^X5,W(B#JC$@!TR\!U^,U9<_3 M"SQ$T!IH7FI-G@52? &A\PZQIRL31VE.!1+?('=%8+7Q7.P8A60;[?(SI>)) MPZ]YT954"R2=1IN-3V!-EQ=53:9_UL]'PZ-?@=,C(\M5*,.JCI3N7$=D@1I9 M;P*%9B_+I4#BR6A@5'<4FZ!=)>1'A&,T\?$YRZ MC,IR:B6.3_K")&N.?''N]^G 9=@C8:)'G+FF 0X1>]Y?"Q$;MXML?,Z\PI!H M4TEAJ59B5YX^!7E-@V6(V? H"S\6S2[O)KY+&4LT20;T%(= MXXLMEXRNKYBL/?%?%L;C +?58&AY"X-)^(A",V$ 8FI(H6GFJ2]8AZ>?[?! M0C-"V"L_6/85C/U<" QKE^""|*

***WER(=]1HCI8B%_ZTGS8)N\S)%_5S'1_^79 M6MI^\7L]=+UA>(4##BLEH;*PR/*(T*2!6I2SM_7&G$>BFLDB6;I[[/K" M>RI^QT64%78HMXJ)CC'1RH30ULDF&6TF"Q&,2SR"6&89H,VU51VS$>4;CA_? M:VDP\'WZ&(<$%I<$V2Q+!T*8T!X(AT(PI&5^P6#GHM%E6ZK/!7;%?4A,@OCO M.%!W<3NC,B2VM1..4[DUF[OGS)I[GM)22!/9$[3&07XO)%=:L/X]V3RU*VII M.]RA9WG'<$9EG\'#E^0)>_DE; V-K1U9OJ*<0"165N(_L;9^0#Z6OV;$0T9< M.$]1 8#E$S*48C*)NW<$(*L3SG>IR=(.)!20 [']O?/G+QQ[&7L8N"%YR!F/ M.?D?2%\QB7%S?U3$D(K?UOY6>F\ M1I1V=-!MLZ=[8XU&161VI)/U&,*F)UW:B"6/$$]1K$D!.U0GC#7R%? KYU73V7Z]NZM!W*3]T5]B(?"V]W;JI/\:P@L$V%XBF:IH>:T]NA MX"V(G?'=IXZYDO17'M%WLLCY2;2P2]F&)G46A@@=U6LOJ9++47>8B; \M,3C M0 CMY8Y5ZLG,8RN*O6<3LWR)XSU8+$BWWF21>;8'$G>G>144K[TOQ4L9C'>+ MP_SB9N>2TQ-8&MDR@E)KX1NX1"2^\3Q9#!X0D<**N0/!GWA]C?S8R1RI8[TT M9'0? #I;Z8U5;F!1#\MI+0.<<,_G;\>-@$\E?I_X7> ;[&D]W$_M"92*0@M@L@Q&3ZZ]BM["MJC\?+2MBJM@CM&X/5 MLT@D3Q8+#-4-UN)AA!VY7A6)I6- *7FA8UH#0/+P'=";P;_(B7*Y=..;$%L]90 M=+7)8MNC)NQ>W &)(T]2=7 M[M!;9R;?/5XA74SK,BVU^'C;6;OKW)X_#*"C+4D00%9^W]].@;5M4J/*P/-(M;A70@-[255.-!@8KH;TX6-LJTE&1W. IG&5DDNTX+Q-+ERAET%;!;B_(NYY9=*./@^W# MK=@'73P%M!3BO5A8NO:XE%)?"ZD+.HES$[?040<+&+[^#LN12QJE5UWW8V%G M=[G&XI*;ON]7Y%MJR9<1 Y@B)ARN"PS$]6>B-,=.6*;8]RLNIEU@[C)8HF7/ M;]J4>.US'!'R,EV!K?3[35;W@7BT]' M3YBYA*2<=1YQ$HAAGZ[G),@M_EJ4:SG4)*DOI>LM#6=T!L+R!68P9Y-E M,&%BS"P>IYB3O[#MY%X<&.RB&]T#J(0!DOR^VZ^]AO>I3PLE!XS*7;6#:8 MG:"%46:NKB9Y7?$SUVPO(C$CQGTFEG;01(+*;N:;U3HE0!*2DIQ[K&'UW(- M<<=(YFZD&>U>QU>RG5[B_"<$89)A3,B(U\41H(;FU92<^M)_MX5U@:BV5I?-JB/-GWZ*[WX5:\WMP\C2O6SR&DF$_,G<)TLIPL\1 M@"4"5@EV,1<;STFP.[$F)=J-KB0(1*S;ZQ=$[W::]0;>F#40=\-L-DC;0A8 M7.)VP$SU:J_1*P#6 "G+(3+2Q)0"D<+A;V7-M=.#T]I8]^0@*RCM1$P*NUK MXV,BIH'MZ$]\L@F-$ OB9;ML'X@?"<]OX5Z0*;5M5W^*#]$E+]7M M_',:? $L7E+=X>QTR>VM0^=F#@;BG%2=?P2HP& 68+9_O5E! -*S%OZT%'_\/4$L#!!0 (#1%FUE% M#'2_>!L -'* 0 4 861N+3(P,C0P.3,P7V-A;"YX;6SM/6MOXSB2WP_8 M_Z#+ HM98-/D)/V8[IF^A3MQ,L&EXZR=GKG]-%!DVM:-+'DE.8_]]4=2DB.9 MKZ(DB@QP ^QV=\(JU8MD5;%8_/GO3^O(>T!I%B;QEX/C-V\//!0'R3R,EU\. MOL\.1[.SJZL#+\O]>.Y'28R^',3)P=__ZT__X>'_?OI/PT/O(D31_+-WG@2' M5_$B^)8I3Z>9+^Y/WJ1UORD^0BC%#JG27K381RA'I1?/BS]_I- MR3O?.SP$X/T5Q?.D_3ZIVN%=Y? DF^WOT!/CX^"9,'OS')/TC>Q,D:QC"6>[G MVVR'[>W3V_*_ OSG<(S_^$S^[]I/D(?E%6>?G[+PRP'Y;OG9O\W2;H\.GG[M]OCH?IY=SX(56ON'84SD%["#"HI@X<$=? _KTZ8C^MAK*C'RZ3Z/J&Z='%3D[MS/BWH61\C9(L_)O1\JZ3P,^IVI6?\80CR+\.JV&'Y$>'QR>'I\=OGK+Y025\ M*L$TB= 4+3SR)];>[JO^.@B7:;+=$(T=D=\>G278(C&I%&Z5HL67 W\>8^PG M[IY^.GU+4?OOQG,49VB,_Y(E43CW+^OA?VS![,LR; M&O5@7/K9ZB)*'KOK:Q]13QO\],,0H[]-488_1(U;0:H$HB>:9MOUVD^?)XM9 MN(S#!5XSXGP4!,DVSK%_<8O%$X1(05$])#U1/D4141Q>[O+G\S +HB3;IDI2 M%5]T58RGTU1@,('_SY"-RA74":%Z8FN[_@!VU&2JE7*&=D3#=B8-WXX'S]M*

*MR"3,1O%\@G>K]&R;DGUKE&7J/5P'16^2P\[9,L1: 5$H&MZ;#!.\/>;/MQ&9 M:?&<++@;LGJIS0P"VA.55"DW27P8:.A6#M0397>1/T>5V=SZSV2VJ0B3PO0I ML=*.KT/_/HS"7#U7%5]T7:-:(KS:;Y%R[VR,ZLVOBR+_/B'. M_@.:,8O"T=,Z<8IX'I;^?%?T9W_!-@SF9%]60Q:$M:F:).DQ*7"EDK2(^F: MNH2C^V2;7Z)DF?J;%8GZ1BF>ABJ;ZH"R-\VOUV%.=8;_CKUQ0@>*0XG_+(G M&O&N2'"*V6Y3.5CBP5M E&-T3+<1?I:QNT1P<:,N!>HLB[C/TKRW6Q_@!,'5% MPP>-:7[-;0S%.)SX[P[BJRCA!I4TB.0V],Q&DB"R0; FHTH0E0#(_B-,$&7" M\0-&FR!"1!89BCR!8I4!#"% F4*16 VO@(1'$M>L=*8"D<4;:BQ.@"K[^ 8G0P&\LX+FK.YSQ>T$CJ{$3"(%9)=1*,4QIC_#B(/ EXS;&W-Z0A W)!0FE<$PJ*<,$W0K7#;X..Z3D6.;G)STR!*(>-=F/A:8!J>!Y7 MVZ R%+=#C58*998VM?G*P #9$&@,PV,83B:H=)N@\IH?8$F_7I(M3-8?:!*NA<-L_@QFYC#@02A5+71 Z%ZS?3 A:H -JAG(@6Q4@VHM83_B- M95Z!F0$5G&GZE!&_$M TA>#X%XR@WWPV-+;E#39""3QVE4*9KA;2I%8;3__5 M1-INK1+2XHD&<'W]CMD^C^ 5I,=/F# _)@2D0CF PBN$S7AN3F?.HF*3E0$9/ MI& $@F"'H%/E<\" #57":6:2>FCRNA4U_G<+ CWE*)ZC>86'T R^.MYIF'.1E=7KTl]@[)=TMF5'VK\Z=$(.UN=Q%")S?GXYO9^)S\ M;3:YOCH?W>%_?!U=CV[.QM!LE_'X;N;]\#WVM_,0?^OU1W9BJDH"1J,1.22 M;K)W&;:Z\$ROXB[\[)[>Q]UFATO?WQP1G1^A*,^JGU KH!90_N#W(@]1QJ 5M;NRRH(A ^\?=RW-ZP(RNTD@MS9$W%?O!7^<&/Z"J;GV&S?<:K++VV+>8!"+[/ M6\VX1FG@)2EVU;\<[":TGP8-DV(O1I(PN4JJ]3;4>$497D:!MC>"">U*LQ,,AZGHQ*[*D)RZI!+NV9IZM09!"P11T:E5!$+Y=TA-Q)5,_R'\+F#52UI2,$EY14$ M3A8XLMHDF1]=$D_]*@ZB+6E*Q(VW@(YL.YPP57^TNZMUEIE[%G"3Q %,K_61 MMA;Z9E4 7A?'3Z7T+Y-D_AA&D6P#@$"[$:&PG6F\V!@H7#(Z2.L"WF8A@W(C M8E&]#-ZUP0U5E6M8O*3'PU-"S63Q/2L,3JPK!9@:T8M262#F7=)6,R2&K.IB M"#=8&%'&X&U&+>O+(F'5)*Z,'/XQ(=N(B26=^A&8($UN6 M"=WG+_|".4DM<+D1WRCUV5Y,+BE;PVN'3]1.2-V(>93]IT%P+ME!LQN5*-IQ M)1*0AJ*MHDL[IK&4#[<-IE8[JDR!\,;://7HHRXK!AP[XVU/['T!6<.?(9[M-"CFQ!__X/?S+;I+:G>_0MYA*1[(&V=[AJI%+"#D\VUR_9 M>-OA*6@=4S/LTKRAH;2. R($L!UK@F>'@F6GM-/($L+7,Q6<[< 0KBN0 %Q2 M&?82TVVU8=)*?(AG+*!*>I^X2VJCFI<:1VV0A(V?>"&:?V3?:WW)TA' MS4-3XYV/L+DNU-<-&%:GOED$Y<&3$B\A+YN*.P%[X'(0D_E& .!>_2Z0.6@$MS}V=U-(0% M6?4L2+(\17F8TIL9YV@1QFC^%<7X+SFI<\@T9UI/Z!W*!*C+0OJ4[$NFTLO- MP=99$81#F07 BOGVR4=[B".]CV7 :K0*J2QH9S>DA8@.(X?^VF,7$2^]K.6^C M>*[C(:DA;7L?4-[$_NRK<C?2ZO\;\M-M2Y]4FDL4(YZ4^V MXZ'17>>T:W<=[X?&5_XZ> NA^LOOG <2&]R^@W$[N\-_?!O?8$XG%][D=CP= MW5WA ?:["EVFI"=8FBQDNT9CD*U-CS:3E6O0E7D;87@4Y,F5VKB8W+NU/9TF& M?1]R!9>N<2A!"_#4S?#)8N#Q3"VUVRU-M0<<_1S:+!,[,5=E>37>8-M3Q)M!WNJX2G/\%ER0=,%IOF2=';FGQPS@VQ;.4"D/++6WZF*$.8$M(T[1RODE%" M;[67#5%DJ[\4S':V 6]Q(/Z=6H]F*(I(HP@48OXC3/=HO@[C,.N+#I5*U4'A M;><8X#K4DXA3RFS6CV33%]N;;>\CVKX _|BO]4E5%23+<=<A.-L"5JB\9EY;5 MT9KTG/XWE],$L1CO?HO9'RLDYU@4=0 MI"8%L'U<#G,[#P[M0A>K3=^F))IES64]WA.R]BP5"*\E,]U6D9UPFK[<@!\ MHO4A/:?,8<GPZL:)$?"%E[F"M4(&I6>IZ$$K@K =[0ZO:Y7TG)XCF/-P658!!LIW MV"8S[IAL5SZ(;U17$A'>D*OA<1VY&QA_NO+>."[\7QGGQED.SX>4'4]]@<* MRO!*0>PB(]]'V22NBGD?4RR<9+'()@MAPTWZBI,RG,9?Z?TCMF/O86W#D(Z<M<@*]MV>3IK>]3*&]X&RG"2SX^R!)NN06]&?4)5A\#3&?T+2OD< /?#/]G&A2)P:LG&VQ+D''YOF.W)R*5;>]ZY.WT]]OE/_:D+H/6PMV)YH^M]$R<7]ZL1ZK5ZCE+LAB4;)WOLV)7MGDV^WT_$O>-S5KV(O>C)SH'1/ M5K^^BVYOR:$7-L,\3(/[:4YZ6=XE18&EPIWLA-G:>Q"+XIQ)S%M]C.U5N"\- MLF]#[(G!I05:QK0X;8,C./JO4CN[K*YZ*3?U]=N+OB'C,:N>UV*(W?G-/'XO+\%ZFV%:..@H,LY9W#EQTN47<62NS<- MM_!#*[?PE]'-Y7CF7=W@7TS._ON7R?7Y>#K[B[])LI^!\|3^^7]W]L^$HVKS+ M0MZUN8B21X%?_ +&5 $:S7[R+Z\EO#OC#Y%U1S"+V?AY"++>OS]\STC=G=_(_ MPCO5@Z*UA0Z,_\\W:$6HFKK9VXWX(>X1W:Z&XQKVT9[30"8$-ME$+Q=&F.LET_T7FV\)AVR?5^"1!P2%$OS!5K2)BN[RAL[J4XG(}=Z^W.-9< ME41G"S!4,VNQR4$>+JG@9BC'7B;H#I<4R':Q0V<5 T1BVH]YJ<,?13@0(?ZM^4X,=Z#M(H).GHN$=9?FCX9%K]P9JB,)!TWBNH24_@'JX5"!U>YP6DE3 M5$H[KN?(Y;OUG6D&7^O-6OED3'EAIX'#R24J2ID|/*BK"N*+F?(ONDBFB'<=O M_53$I"T 0%*@Q%U-,<"9?O8RL=H^R4; ._9&1 @5IU.-<$EL\ O5E+ O8Z!>P>_M"^?)/P@<4$V.Y]#@DG$[2<&+R&3*U0KM]+7M<'*]I>S<5G]1G5ZX<*"WZ#10 M %7^JK)5"GD-M1[7"&IT2:5>.Z]E"\QMT($5*B+&:FV++LWAP4R(!F8K&/5 M/1>'M>*_*$Y+7Z>^1&2])]1U@K D3A:L2_1*ULYH"LRE^P:1YCTWLQ=,@HP MG2GZY@>K,$;L,U#90'A'[P-HZ%E+4.8/I/?)N0B?T%56ETL.X>A= (!^E*PY M&(DS!'_=9MB62,]>1B*+\(>0Y&CTLCEX?Z# # 4)S2NL'"5R$L1\'W7P(M+@[/D19NSI>0D5#9F:\5%"%">@3$$8<)P>%)UL/'8IY!-2#KS_+A0"]$=U^(6[__9_<$&I[[^1/5=0)SO19W28 MW;=]DC"RAMY$B8W4EIG9?D?I4&<]<%O(#!=$=B[TY*>R5;0:=-LRB19A/< MY<7E\5- N_-_1R-%PL42-)H0]-A>W&W(_=FF_6A7"'>'S+T0QV11%]&D&_MB MFS;R,=L;G%W#-2E9)X,;IMTJ;?P5S\+Z?L1*"-O>#:N*!=-TCY]>O_A M^-0[\ A749)M4X3_0>&\9.%M&I#FFKS-B%FDSY/%+%S&X2(,R$E:41.)-7;_M1&%0=RAJM+_;IU$1;BO(?->\'DOZ,PQ5*L.?'XAC\O!^WT.2EAO0X"]>1W; M','L .,#Z,U,UND.]&|>7+];TS^UO(L0-1H_[M/(O1G2/UEEC7Y9MFY15Q?EGW-KM&KT_[M-;(O)0B60CN^7L'>2;$+'A:ID;Y)U;2 M%9"W?!1H0MZ"DW>^[9Z\9>5<(/B;MR$HJ)A1A<2X%5>U_8?\XOX:X.%5Z9=-EI3]7VI-]:BEDS88W.V##PI64D-7H9?,_26.F1,SBK(X) M+/M[?YM'[''54),S"Z_D.<(3*Z =G;JF-%(]OR7[W@;/?,W8>Y'3+>,;&MW, MSE9B]79HO0[<&D>))V2M1>VRG'P.>AZJ/+N6$V?3J8' Y\X\GQO[_\BIPDU%MLRR]1B&SZY%U^B9:1&*DR(!_2 1D17RZ(J+X] 9MJK0'M-<)_;VNXU)1Z5 MG/V,C/=* (-VB):$9B:D#:)\9(^!.9(TB);&MTGV_P2)"4V>)*Q-X,,YUJ-=R>3V![=>Q>B=ZDZ:S7(6UX19:4E[I^_@\]RNQ_-7C* M3]##$8(YP[%F0FP@XOJ0MH'C$,ML?AO'P/S(/^QI>5H"9HU-1G]8(9?:],JC'-M.\LR$?G=9]CC(DT#'P1+QRDGQJN-O K*=FPJB5%/F7T0'J-Z/U1_,]HDG9,H-MN!.Y=Z?,9LA-%W@_%!B,I@W3C9@59M?4T*

*+R64VY@)@F*V+"3S%=&J$ MGP-M2S2V%!,LBD:'D6R+4$K,"K.CM@^H!N%>$EF)F60V7FE\-0@?>X&6D/;W MS [,AEN#$,R/N\]1T,UNO((H;A'A, '",$QC\4NT?2+/H_=X?*$QR6[Y>LKTCMQ-MATGI9.P4A@\{0P41N61*ZH3D0\Q ,0=2/3%N@]J5@=3"332(E?*!<1K$F8:= M3NP*<5CK S)Q*5X//B]-.-NEK1 -[3^,!1*%2X6DN]=E M..\EO'"AUJ4>&MO%GVU4VT90BEO+ U<-UC*8DA64"5]K;B4^[BV9%RC.=5F)S MW!]GJUU42<74?_R&M],T]",2N\^VFTVDZ!*E@<K2],/(UP?1_@@G 105Q1S,1 M6B'=>9, @4QM;[SM)4Y/05QFG53+11B'V0K-R6N"$+7LC;==_*^G%BZS3JKE M1MZWOS[*F:6K7DPJ4$!32X8O*?+>91$T"!4,=6;1X8A63/7K\)5X.:L/G--) MUEDRG).""!1+_#W.&27XI-BN-]AD7!FC"(;,;JY#B;F*L= %[YHVR:Z-M+V M2N7.],OA\VE^+:,7?G:(X8^L1*OHWB#;ZR=(LCS"W?,.BLL$>C-4!F/;<=,Q M>C7O3MTFU-A_N)L@F18LPLQS;ZR=R56^+8QU?.<_0=Y'$P+8MWDO$\M^;4P[63>\GI$=1RY9#M'L[R26I*P2Q\)9 X'?RAMMN1@QOZ#I,DRY-)Z05EXF4D9[#12#@53BI(_>!U!,*\:7L?!4&Z M1-?/9%A-0-A(UKQ5&X\5#(6)V!P3CZ!9(&5S(!E?X5F8HBP'R'A_*$&$YIY2 MU)$QGTVG@JC]&PV2C!M3Z,.YTC!$P9" 9&Z,QV2MB6FV%LN1TY(<78U@C)JGZ*U'Q+?9K*XP&KRHW\B/VW%,ARY[=@1MIN^]#;)'L.KD].BQ=8.7BKM'%#V@;TF$0M M$8=FB=LF$<(14U$O:IMH14EL&PCQE/K(U+M)^D#8+0ZCA-68@AT\"LW.HB MF<\:097I@=Z9!H+;.3N$HM,1>KX+++Q+2G1.\[6Y%OX ZEZVH]$)I9A&E,Y.Z5 M_)6A9L2]B(>Y>2SI5*X$W&VH_[&,N MLK1\NW#P#N+,LQ*2*)SMNUR#WCTH,4A;PS3OH.GTS*/S(55?N$##B124.9$"-86BKQ MPYE#\U5[3:/""7-057]<<_"%LL4K,9(YP3Z\T.&9F$%6W/;2Y7,/L_071'# M35/ATSD2S3,>@N+MG"&4J^9$]D/&+X"Q-)":]EX&DJB&\1-X3P,-H0_^VT 2 MRAG_0/@XD'7R>1I:\)9%4-%O_$&6YC.S@%GPB?$>F&=GQ99?QFSD_^YQ3(1_ M\GJ02P,$% @ -$6;67TQ,K@I.@ =;D# !0 !A9&XM,C R-# Y,S\? M9&5F+GAM;.U\6W/C.1++F^T;L?^#61$ST1G1=[+J?[K,3LBS7<8S+TEBN4]O[MXH!)6&(71:A!TF7-KU^ I"2*1 *@1!*@2QT3\(/'W.A:!,XC MI!%/PM]?G+QZ\\+!H4L\/YS]_N++].5@.KR\?.%$,0HI%) 0__XB)"_^X__\MS__AL/_]_7^]?.E<^#CP?G/.B?OR,GP@?W.NT0+_YGS\(.8IH)O1OS!H2/AO-MR(4?8.H,R6(9X!BS/V0?_LUY_^KT'?)>OM3HJ?T\<>H1^N!G<]#^NXV7TV^O7M/W_^?!621_23T[_1*YY(_+R/\>^.&/W_C_NT<1=IB^_MPNBWI\C__07_,O[9GV!?$3[!??KFS_6%/Q7D1T M)Y_?WZ=_G7=M-+RZ9X&ZV^\?;UF9I,S^ZL7;PB*C=^_SOY8;.1+NBXP'?F_M1:DD5\1%<3I"E!PY8 O^KY?K9B_YKUZ>G+Y\>_+J*?)>K'%*E4U)@&_P@\/_MRX#>?!4M7'!&2;+DX+[F?WT!)&SP,E93NCG%#[^_0%[(>C]!]^;SVS>\[W_;.M:1.OEFP,1SX?@B^<8QY&2*=T,.N-X M@B@.XSF.?1<%!],O[*U-6?@\Q@OVS6C\,%[RM8>-V+U@D/?4E0Q[F:1X5MKX MC_B*1 >+ G;8F41$%,YP=!E.8^+^F)/ 8^O_Z0%^)'Z\.EDW==6=2HFA^$9"?MA^-5J@A"4N7IWID1N0**%*5A54#?&6"Q_=8!?[MC^@^P-Z.G)9^$T2#TQFRWHL,$ M\GUK$$7J;Q.%XUICAW.9CY#18M#]'EC.B1L>XQ7DX#/M-#C"^Z2KU[]8:9#MVA"7*2C7)'SIUL!63M009[<4>7@],"9HQ6>,BC$139,.RX?QE8_N_<"/U7-5 M0=40;U>8F0\]5G8;-3;.V7H88S9BW72+_HXH98.7S_OOS.1D6\P0+?T8!>L_ M**? GOTUM>?6/86U?K;ZP6RU3!R[HQIU=BY+@C0/>&'_4<\X J?90"\VS^G:PFB8-5 +V1+RE-J^=W+/9?T2-L[HK>JR\3 M<2>/74OTKA^W35 MDMVN.VBE5.WRIAZ^L3+';-OC0'89RE(,9(+47L8;ZM;\WSJND94-&US9_2XE<2MLVKW4&S_FQ=VU;4N!5.]&U7*57;V4(UN:W=M3_/91+6/M4I*@Q$-S?7I\)[-RZB]@C3XB?8C.7H ZG?0&L0M9<+5]KKKD>_#;?HK-,+NJQEY?(U=+S[:/RZW MGN;O?CP?>)[/-82"KVO![EZI6=_ZK73'!>$_I\)EQVK]OAL5*(V+'L+U3@>-_MLC;P_IE$V2IT2_C%0!Q&@4M@!=A5=M]<"$P528#HE1_%T=E]{3=A(_+(;.>M9H2N!9"L]6!#EXG$OZ:G3P-#$A6V6PC!O;6\=AL/^H4'?9UN0\E&V@]^;8 M00P]_]'W$A0@V.PI^;8'2=Q6L]$*:8!AJ6]<=+T.O"B(3N-OR-5SZM_#!SV#"&>FMR78A\#U/!J#Y;L;E^P#HA[C>*=_IM3I!S_("2H'R7I,'Y0YD MK"'JKKD3-2YS(*BSLB[WP@NLO$^_/V==4#>)XQN\[GRLJ/8_E'Z{SWOQP_@U M;_HZ;_-:V$'I?&\]^]M(C"^379+I*W0'Z9=>+O#BGA>ZR*58_\F+?.\UN=.")Y%;R$+\?LQZOESL>;DX'X.Y\> DH0B6KX .*[E.IMD^CE#*%EOA2RE6_]F^V:F/_B;E/NA(F++]F/FU4R0/1UR^YD??:;;/VCZL $)*0\/2 5S0[EW1A)"LDVMDFM]M: MQK8H6_]N!HULC.LS6$/^]E"Q'I8KC_L'W?KPR?WI@GTRYH46]R]-Z-=]2E) MQ"BDVT86>K5]!XP9CS-T$:"96++<[3:Q6;I735H\T-;1[CB.7^LMB< M0 A)K 9!S3EX*ND6C4$8)BC(:MP+Q8MXAG3_ON.#"CM!1.F]=)1?;MT+MI0N9AM3_H5OU3^+IQJX%]W L$1#Q#NOILO0>CT-/5?-ZT1WHOI M]@L_0.5WY$% MG%\ W;(F77F@UE:K7\HTJ/^,:-Y1&/OQBK]==9T 'F'6K-5*;GT+F07UW)&AMFS&U=GV$,7^>2Z;KW98]T+> 85#G'1FX&6-#QCY%P67HX:?_Q"N9TDM->Z!U M$<=@VCLR;#/.)M3GM:VFQJM>6,IM>Z!X($2 N*<7VI M 0!(>H"#C',0CH[,V8Q#?]>8+DG!WSWDY,SH:D@iZ18@)>P!-&K=08 ZLGDS M/@>>>1WS4Y?,A!*>]A.!4#D%']B_$W=MZ M$+5M)01OY!T9 7O<#=D/X[!+?D)1-'.)OOU!?XEG4/F=FI,Y;ZDT8SJAY-'/M'@I6(5"BZ \,(L9!++#HUD!?C@)#LNZ,R"K&5_=%]D&-LYIV9RSMB$1#$*_I^_ M5)U.1>W!H_\]VR *'5G-^8C@;A0H[6]GB=6ZKG(*]K8DE/]0RZVLK&O65#/?9FK_)9! M6.?5=E8K'&7U'9'UN6$8CX&<)@57KWE5VWI^,$!6JGAJE9K7\$VB$)'9F:) MOG(Y)QB-V$+Y>KD]/Z6WR0'5J)2*ZOU+F06U'-'M9N8UR>N.3%>+>Q+ 5W@$#.W6-L0Q]"..,H=KL2]WFEBM9*KG(+]J?P?.M^+.=]M=W?A-IVL52ER7L[_$$ B;6JU\F&-0I5U=A4T\ M/9>QN"%'Z+09<;<1BC 0Z*YE,?PDOL*%cRG8KM:;Z$*-D5H&LOZ_I LMNU7C[@M^Q586S'9EPP5LK2YX%QSXS_D5D4#(>66+!4[\>&ZB=L8[9<0SB*M;NL.=S:6)V+]F$C&N*#")O&$]S$ (AC[$:&CG+E.'1<&Z,S**RLBM$4M7!U6PQAXW.=TB]UY2 (R\WDQ+5=6FT%"T'4U#+TA3W19;WJQTM3W5%h!\&[?`M^,WQP[6]PSJD[KTOCFOJ^^]J6$_A&X+.DVH/U_@NIY#*/[6L\B^+^S_JZ7Q+_M<7?2=761P[>5an;G1J+8?3=G//@D6VKR2OQ?A6H^]*W+E2RTUE4?>G M4[`N!+]UZQRZCWIM/7'6A*##L^6Y3]DZ$LR8(D&J_RWM@=#3URO0N/.*75];E3$+KAN-ZI8_VURX[R7;.#7Y*4TOPQJ.FKHQ/;="#)AYT >]GARY0[3W)S M6$'TRZ"HI8>FSZY &0Y1=?US]DM@&H+M?QGP5"H SX.&+K+"\=UK?I."IJ+ MKUZ5SXW@5YGTYFAD.|-0Y(F;IP6NAF2B&=>L=]A^H@K:(K*,>I0&ZIRY,ZQ MEP1LL=_A,N4P5>GD_$:JFOMU.K$F2%H'U'+QH_I:L[Y^__HUUH&;56_A@$@KMJX,$YFKVIP$+T9.IFP#E@7#Q'RG&JNKQ&J1F2ORKM*_&2]@!FPK]MPE;E8ZG M=J#M,O#Y=7A9X&/(+")IB)];N@) /U90O1DL&XEY+52>#XJ^P_4QDEW5K.+#1:8UBRRB!M52EE@5)>S@TV:N]N]2$*:,;Z MS5/._HXN#QD@E8Y,O:]MYS 1]P=TB9@_.IVM?19C%3 M[>DZU*:/>QKS3PVF2*A[%^&SU>;'/WQ,&7/SU15^Q('V_BNE_X6V8T]6A1C M%(I5 MJ/,B'@?-3 !/0"S0QV+,,,Z\0!N^MS%S&#N0Y.[$4")MAP%+A? 0P,9F9T$C MM4"6T_T*2.MH0,-G;F]FT*DH<,,Z"$3IU"#G])@W<\R:.5]KQ[R98][.,6_F MF#?3K]0%"]P6]J0E6.WA>(:#KR>>9%'L&J*5.%V.Y$;TW^UI-C; QC4;DU_KN MQ_.*G{)=1>UJ-?5[*&X*-?VENO/3KL .#_*-ZJQI-Y3P]M\HBOT%OYIZD6'\'M,'A$?I\Y0B!TBH+MM$DYE-SA9AWNW]^S'B@-:*,I-4DX'!HI#AH3+{OVY@$1{4G M9=NKJP8+Q[';N#=A\?RAR=,KXXU[ ]+P)N>5US+GI€]cl.G?\}>2UQYG5+SZ! MZM,_ZQ&RAR8@>#V(88NK6[_L8E8NNF2]^?X/M[ZQ"K BSR* ($I3VF1'45P M6MC8FOBR HJ*[Q4(W/HH[Q4)9S&F"R[#+?N./+@K;FTLIBM3/-%@W#H/V.4S4!B>>OI.F->Z+).3A-S,>^GD>VD/I.LF?"CWGOZS/,N3@F_!P3?HP-/NW>"L' MZ#'A9S>EQ="#BWW)^)$]QOC1V+EG\WPDKVS+Q";+)0G5K^$HR'IP[M$2W*)P M78E-U78!-#=SOM#3-=$1P+XS01/ V+SW-@;>I?MEX1%Y9LPY.9WG\SL>?+) M 3X246 ;PN&3,<,NW7"#WG(9TQO_-D\5KS)!/T8 =2*BRM(V\!.*JE3DID MZ-TTIU,FC!~>%^BJQ*+.OR*)J00*U+-7-0(S]A_E28-Z]#V!MQXPX(2U(!=S/?0& M"]Z|;M+1Y/FK3%=MD8/SQ@BCU0_8Q"0F"[YG6XMR[KPA>C)!;8^A&>,/L:_X8Y7^5793?JSO;@3U<-C#TV^B#[R1!3CMS<&7Z+N+4G6,O"=@DUO-@*FXK[MF=-?<9=0$NY_@=HD7KMKS[^,B&RPV!L/HAF15#T&$03>ZF.0;1?-X@F/(G^R4M.!#Z)OE \(0GB2SC M VIMJ)RI.DRFX+GI-4RHX]_L(NTU"MJ:>HNJY9N08;!!:A1S8X6A*ZFYWB(MF#U"9)H5M33U/K&69D&&O6=IHYH]3_M*3#J8Z!>CZ"AJ,2[NL=@"?<L56+ MS%-]9S/]>W48]VOWB7CIOUZ:'TTTYP[*&=$*]WAXO7+GR788S"M&2]HH83]?76PK6F=01D2.Q?9N5;P%5L.O;)<EXS/6K3GC.)E]KN.G4?UOC(MZD*^LET=6.]IT8H%[3!LJLK^8UCG%)-QO>.]&"V7E.MJ]H=&2K6L@=:VGC+=&:.3L\T4Z#:[Z3H?&)9FPO-KT4F.Z90\Q#!1Q251-'YY MJ\E-O6ZTY\RMW C7D]"ZM7]"[\K9=ZR!++8))2Z. MHAL<8<82S^_YP^:DR5?L-0W4C3([PPE@S2#HKZ($+KOC:$[Y@R,*1/ 2U)W MXQER?P1DIH)53G?WH<]X:L@& ?G!&)!G2<3L0'8 X"^19F:I>8/2-!?4T>A M XQJ7(HX59[J4YI-4C-F"XJf:NQ$FK)L.D3=AL-CX:AK;# .(IO04S1$?! MU=50*F"MMC,5N-:?&%3%>?-1{ 8.D[D&#W7>U>ZHO[O:GC]SZ+J90H)Z/IV]-M.C.S(^Z+7"W\^^+4,ST(,-Y?C0T42YU\MQ1YF'.I= .56YK:M0^9I$0M$3B=-MS57[AX7]0DFT7]PMI61CTCKOP97J*3PMF2 4,0RT#%PW621HJM5@06CL_W=:-M1'LO6(&^GAG04BF;=K;+K\!FWV?,72Z6R*=I.8*PS*?8 -*C[15D-;6RSDDD MD?D;2PJ9R.EZ!6$-B2RT>@0;P>B)/V!JAI,OA\@__30C"#SCZM#W$U*I5ZZ'K4% M@=5-=N,@>XC7MF&L14\ZT\KD7+6I#S_/4 407RZI2; IZM?OQ^U+G+E/&W-'A9 M.<\??!T33'WBJ7.F]7HP=$^AUF246[0RR:Q;F66QGX(<^27I&\SUP#.)'RI8 M'1D%_\{(@GD#G9N*?>]_(FM*Z%X%5JN"7;-%]?8G#A[Q5[,'SO>+G6OT^|P' MB%%#>GB\C?(S?_B1-#8F\N^<^$HIB]BFN"XG"OBPQX_?L\)<8!!M!K8L/UQ?F M@B2-G2#6_?T*@V C9R?!9)@_SD),BGX.'F),)>"R'@_HL$?H-B!HTS%D6S-X M^@.JOCP:(6D;HB"R6G4?/M:

{AA1JU)GQ4FS"5MFI-M$X'"$;,E C9HA/YXC] MA$?J]6+('Z/F41$FT>_!FBC)/O"6?34U)69]M.2"B9,^0'BV2F>C3HTHF,18

*M7*0V+D17)/M,Y36O^2T*C/C"ZHW#&\RK!#*1SU#D1]]"P-)A4MV4KBF.1$(J.FAF :89Y.,<0)))>S8 M%]\F 0KYPX?\R>NTY).!,$GCEZ:UU/W]UEKRGM!8R7O=5K@ENIC0;)*F&C:A#*

*M;S[##N11.X%.U8,UE]$^E&#ZG)ZVK+<'03%TDN>TB"W(G=/$BM07SKHM%195 M(!=*BJB,#5<'#4T<[>L\0/^-T(_K8$.TU2\t@] M3&D$]6D-*

64%UYA[90Z2FEU_@[2]WSHX%=5Y_!FNGD:GPU!X!Y@'5T1C6]M& M/%M5T*#4T51VY_\O@-,V!MWU%#4OI'3#7Z0,<#9NG!@\?+1A;Z.5Y2 M(&;N)O9S@%,MASM9!]"*

*($A=-0U_HW7!H5/!..]K?*QAG_4>%[--&/+GZ9G5-36D"=TS8G*MWUEJ9XU7$@IV8LIE-2,KS*B<0$<[]\M,.P?=[=|3O!0B.<_^EZ" L CR=H" M3I_,.I&CN;^\):.0+5CP0_B 56==.Q;5&*

(@ MP4I/"ZU[%"V$T4K/8GM0=UC(_P]"^/O1/V2.]-TVG?L^#I@]1"9#C]P? \|+ ME;N/"V1#>_?)S E=^PRA*8)UKH_TF2KL11=;\BGB S5|Q7D/%T?=GOH ;7V! MK(N ?F$]N2)1-

*X+,J@RBB1$UL.FXMTZ?8?:/PD)@M%)*>5J&5]1A4E-?P M1W2L=(PB/"?!3B1-X;F':>P'1,XZ>)QH|!)O0IDZ$HHO"W ?BPLJF%U(I8T6KOYM@D\YSCR*7^$JY(K&\0-*

*00UQ8"@,5;]MA(@9(@9>?8BM[MX0"8A93^T9!'.CT67#,,FN>?\W.Z\I7.CV,*ONBT^R?<]N4@RVYV'CW01P_T MT0-]]$?/=!'#_31]W@^3M9+@,?4S@EE9]_=QMUG7O:B M:((-*

*UGJZ"HX>=-MZ_*C&'QJ$#;_$XT/F\[5,-<:KN5.#\CIHX7,#.N)#TI+W,.Q.>K[?"MF(Q##.-7_GHW@]8OQN11)*Q!%(E3&&!':GDV[J#DXA5U94Z&8V9*Y%*A:OQL??Z8[.0 M66D0-*

@VCI1<;UW[G';>SZ@J7A@%++4L%HWY(!'<)#* RZ)9-]NOZ]YL-B''' M0K_8T;WY+&"TP"U6=SU<$H1N.'&XR"4<17^G6Z M WQJ@"CN3FSW%5(OF+C)8ED M6;&EAO9#*

(F08W,U-Z?^&20"E]"Q,-K(>03 0$(#,@YAZ#9-S.VE36-.MB8[_HH!/[7H+6H'0?]"T!(#P,O;>QU7]I'{]D:AP"ZE]WY1.H3F2S=3\$'^Q M-*

,++3Q&)%BEF%M/C1V#X\)\R^8I.KG6Q#$LFVXDI;B_6OX!D"XL,QK_'NJN?/.MYO'XX5N454*6^(UE9;/#H\$^:*<;*W3B/W*#-4:N*N)W'L4'T*

M)6AZO1.J7GPDE&E>1F$]>;V>YI42@*/>V%8S3>XCW_,1764E):8Q<7_(CP,2 MDOX#D9JY(<-TT,'2!JS!T",]TPB@\-PA7\LLH2J":*A("4^_#U?,M:,@ M:=XNTV>V6J$W/EN

MVYKHUNZ,#7EM:Z\2GWOK-$3.XS[$6;6I8LW?xsROVZ6Q&.]"55W_1'\6A**.-H&;AQC3LR1BTD71D"SN_1"]T\3=*C5[Z0>"^PH& 6:80CPBM9.1FW]>*

M.'V@^@0%V&.K&L_1R6XB<@AF.'M\<=MD@E9IK>>?B'H5A$6I.H?W;W& "'V!N"__K0 ,9RRO56\RE9N8N938.$)'):9T9 MO;_46\E"CY=TY3XYI3.XE:.^9P?9%O5D76"H,6&_8^Y3P-

[@$5,TPU^X?^ 6NH\W.HG(`C]#U ;].%2UL3WH9S:VV>CF.[655]!)CM"&$ M*Z-_JA/#Y#*71[?2<'J.8QRCF.8IYC&(>HYC/,_YTC&(>HYC'*.8O%,6\82=S*

*MZKOL%)X>3+\QA**;Z3=5)%}IORCF4KQ^[%Y6N"=<[..&BIXA_J,3+,W7'$MZ747V@ASR(GE_G]A,#?I>#*MXZ ^1"%V1F0!D-[*I;PFB>$[MJ*>;3;#%Y+I>8>*

*(XO@_4G9TQX#85 MD% <6;FTU^'O..[;4VMOXL32&LZ?9?'B?_^W3ZA . &+Q/$IMSZ/YA1 MG(]0,K>RQQUKD'?_ J=4[60?&3]*0EJ"F97QP19P[?(-SE?#5[_9)W_2M)AT*

*MR,YCKZZNAM(G.64DG;\7O==\(36$ 5?%X\/1+>Q,QT>DCX](/T,8;=VY^O^(M=-'.E>U:U?:=%^YJY#%I0 {0B]'H@P)G!%%/IN5"@IL/?51O60!(KQ_LJAO[M?#*S(]KC,\;?*

$@4&Z,.F:/CP=9]\A04]5752FH:\WN/EI4O%...EIE&T+=8Z-; M/O3BY!Q+T:&]HZI6L* 3NRC1T/UGG(\A//;JO^:)$TED4S=:]/&"Y1FA-M.L7ZMGA!]=)H# R!?'D+4YD6T&4I[$]'(Z6*

OD%_7 MT&,,7/U/C:W^/,OX67O|U[S)N6\1^>,=O.--3@OVMZ/(IOWU^--SO,JT9X8 M>B.VPSN<"N!0X&YIV5,N:M(\NG9(ZVA !#M3XTZ87:K>0V2>$ZH_]_0:XQ0

*MZ[M30VG$M9^JD4L *;U12X>-K@7)HFT9%^>8OY6#8O -3)B@/X17"@$,>&,^ M_"W'$T3'=!IS9M/T[@FFJ1 27!Z;N"?8U14(//0\!^.P;C"E^5]KL=*M#7DI M7;_0TY%NECG+M/UYZ*

*>29^!W&\F&G-B5_8 \,7GZ]3)-@79%(AK/,S32AQ M,?:B"R8[9O2%,'W3@@RR^:8@[1=LOOO

S"%>),8$3< M+R6^W4WM0(S]'QCLT!13[{A;8]P*H<>)X=.(66(YDC6S(R& 5Q<6<$$P MO-.AL^%4<-K\@M/54X63V3-E\@I_VK+K,.9+H4;'CDZ,;?BDV23S^O1S:@ , M+:>@EM/U<l,2BNJF4,I;8FN<==V5X RV"GNNTFQ+K3@XK!VX RZPE9GI'-KV M&P'#Z*G(A1O/:Y$O-!!U9KICBX"#7#?V.S4'M!],L<&E1[R68+>QP3)(ZZ1# M!KPCR+]0MQ$%PT$]/CM^:!;>0(D3]=QB+"H+,K0 (?DTF6H2_JB;.4'0;,A5U MX0?!=6DBS1)17¦UO5$UC6N;[MFH72Q5Q>@FUGLFD3UNZ=(UEC.W*=,$4H M/2LGF]=/^HS>TK0F2)\VFVI<>Y5-51.*WNX#L+0(&KB[H!KT.'=2>'3[UPG-P MMVP?x&L-44=]0>N4F\U/^.4FWI?\G>?OOOMM6B3W540]W=?1X!06=?$]S5GR M%CU&&:M+ <5;7/ GN&&P3KH%3JE9)T[!I45O26.9)8P!DO/DM*|O,+K:$HIP MP2WGA7|^X<_|%U4ZU%+7^QWRMN8(;LJD"&;*ZX)6.+9!?^3%=(HE&TNZNR+1 MUS_ET39):=1UHI+ [S8/GR|O}K99T/GT9E4]U1Y($>C9*W@KS6QO0U>HW:@2G ME!-,:R[1F2.*]?;K\'/MID.D-MW:&\E>!$/ABZ M4/N:,[FYIV^,)VS5G?\|[NGRTB0G=YT]FWYB0/B_^R:PHBQ*'^JD[,=J M_)2T.S7?1M7]|P'Q2KGK2"NK.C|HW^LUVKQGE|BH-[\B9\9O$MZ-E3>EWF: MP^J.U!8Z^6!"<6916.;+-&Y[*|C^Q056%%YUU+'U\!A#;:=+HP*P1G!@E*\ M\&BH5Q=.XYIMY=WRY)1JR\7-E_?;OS)-THBDTE!$)>B+/'|@+6/D4B!HHH4F M;KVKA?D>NYZX+1!..+(YECSPFS+6C1IR7,ISZT?L>:'WNIUF#Q2\U:8C;@BP M.!{,L8|CA_4*:W@7-'G|ZOL 2Q'7N?Y..C7*\1>YKB]!MU^Z@K<2%&(!T?0! ME"!-]Q_(?+V|Q7V^9&G?}\UGON33L;M:K^$UZFL$/.[5:'HQ#M@ ISBT;%1;Q M,27$M="OK=Y_!>< 9'4H8L 4IGM,$)Q>]G^A$^";O;J:9Q57Z3"?1V,2^*0UY M+NHUT=!1&.S8"AC^3H8NW/NV)S+?E[6_Q6C?A'8#/)QYC-_0X1F3QZ+$NG%+ M#@_L<9U!SHXEW/(XS?# B(?B./[E-(*ECT^\LM29HR/!/PP7NR$QHEW0W>/ M0E6!2/LP?MR'3VBX!9F1E_LY5UM.0.<.;D^E/C&R\XD'W2_CM(,:KGN M#W1KVO1*<&WM=/^X@_=NCC4YEQ' (HE+UHXG:F4##3!OCP:SK!AAU-SC M,H(?E:=2RH/AEP5(T|F7E+LZ*,NY5WB)"6%YR-CA%C|CEM\QPB|=(^:_UX2I>?Z:^!3=I6NO=?@B_@>U5Z>UEPFF|]6>/[Y3O!B3DD_^ MV1G0IY]> TK.V FM:B40E[N;I;.N_I>_29_I@\O%/N2E9*^YE\&J.T<3"$6 MW+&9L>EGXNE>/KCCNF*9+9PTWI:=S:*DKX]XI"SU\M">4.RO;KGP=3)]-&H M:J4;G(43 -M.N>YPC--GMKW<^D7)5,-R56V,GJ6B'K3(T0&SN,!A><*DX!VDF9-HW1+@390E;;ZK27\-.M\H2?"ZM3#=;OR*ZQL"OU,5A/7YNE6Y//:P0H5X1G+-WKM3(|#V:,>IAM)A2J MW^66? })DJH$ZDEZA'7@:IC/), >3[<+GL0ZVCK@U1_,B/P?/TS:&7T0[?K"7 M1(G[|&NH#&,")C/(;@K6UP2<)-# '7/SZU;KFS=M&,%H6C$5M*GU3Y.,;Q_< M/O8FO]IB=]0B8[UQ$9%*43+$3L],!1$7,[J"(C9*4)R@*Y|+BB5,7)|JX4U0 MKO$V /K|-E:YPS2R5A8:L] +Z_T49N@=WT@)L,^3(14-Q>-E*|+,)^B79)+1;7.+ (N9M:@,F+=ZQ),.'N6:&|9?_FB8%9GJA),;D5 MW\/^!|/<8!#$|%}>AANH>Y9M_]><:+RK,]X"3ZX8[4OT:+HRT^(_.M M]MJP;IAROBW;^<2K{6R:)M#C#KU!7S=5)KZ1EMZ!RF*VI%8>HZ24MB$ K+8P MU(+=FE;"^^:#H9M*2G4MV):4\G5.*,8XX=4[Jj.LYK0}1#437[:YJ MQ0MS:L'S*2)7?IT:'BF55P9#?';-DSS1OH>9L2=L 7*-C$>W:VOHQ!47PQRA^ M2G-,=C:\M53V2EDG@P9LM=*$DO^?A%|@*@7I%/%C{J=BJ/S(QQCT^_0%)|(U M=[.XM\,?%J"[$R ;62@.LL0IUC|I9@D>-UL%FLTOR2V74W;1%"G9V&I&+W&W>.?KR(X4..V"\@YDCO,DLWKZJ-YN!PJ# M_1]+03Q'&>;'#JG#3V.,S_,8/$^&^2^A)LKY:,_C94MS:NM4^'NHKP^#O!:9V MBM,_$48/\VJKK%U!2#@M#/7(O;4-P2F MQV"7C;LQ;L;E>).BJ-P.'F^, M,Z?MG31#,LZ0[=00 \LX^ZR\EQ%IEY$/P#AS+LA),R3C#-D?!S6PC+-/]6@9 MM^Q2/L=CG-^(\ACQ"> (\N# ($49:Y1#HQPH7@_/ZH'EF7>]2/-'0W-33G\'6 M0)OJ_003?5&63?2RH(M\?OH@8K=;3"$G+6E)8)'I,J1V5$ M@;%1='|6;T.F%HZ':B/4)!1UH#-0B?A$W!J2. {#WB'7HNT0*394'6 *NSA4C>+Z,*KP]RF|VDX^:,(-2*K\VMAMER0"H$@A@Z9L-.W84M,/]5B?MF MQDV>T-$UV4;9@A)C 5]W0F$^]RSY&TM&KC>*KSWZ MW=?'EL)JO_7@1Q"?6H9(K&/RMVU9WP;/D[5K=F=-G;P:\N4_XH@-0(KO/OC5 MUU>70&J_>>\G$%]C*^PSH!WCB^ZP1 M?'05*}> ([PP|'/TB2S,A+HM[G&&6BFEX^2E:RT)\A9PO8FAAMN20"H$@B Z9 MD$BC(T"4[U"K@5]'P70\LX.],NDBT/ERF<.8E.|SG?NPT/"%&FOX+8,."B#8 M9(M2R)DQ/;2?4+2;9^A]451Y4? FFUP)C\IH$4VPU+>QB)!97V-D*9(7=CE5H4 M!(W,(3QBVH@KH(:G6#4J:\N3SH;]-312GL;P\R0NY%,+0]".F9\|JOF$[2G M4$"O4SRPS<9\7K8>+_U()?QY%RFTO4<9_ R"'G),@N>XGB,N-IS@SM;L)D+_MWW\65|LHRW:+'*$F2+'R)>F2+'R)>F2+'R)>

{"^3O/&>7P#Z;OY]XO^O=?O M6[&NXOOUK8W05T5G@WE3F95_]Z3(LHB4K#9PS0$M!29G8+@`]6/>]RVAI*N7 MCNNAKK&E!2]K$NRH[RM+,\FL-F_CI!Q\)D)B>$S'FSPF_*;FSND \T7]P%GW M"6WDX8T<5FCUE80O\NQXG\C8?:IX8I=6 =\XHWH%!]PW,VXRN-,Z MKAV*8 HU(7/7,9+N7')5H VUXXGYNRA)4O;7*&OIG]6OF[HL(;Z/#B=XS>'Q M2$*6K[=2\[80XF"$IG;YD4YP;CH"59&/=-)-@.BG M.$,Y#R=ESDDFX'V7HN!P MQ%^#,T,)2;K\? E*_$6ZOKN7>CQ,^YU7LH+79=7*RA\#]*$2>P;-SA/D8OZ7][M1OEX'R#[+!/BBI?^-LMXNSB1OY+K% ,:?*L]LJ^RS9[#9U*>]G288#CO!E2PE M[2_&B(M2F[_W0L3K]28K=AC?8_),QR>Y4=UV1=X9RX>BBK+^[Y?4$AKP_!73 MJ#HN5K8 #CA\WS2_>2OK=]#3O8P,)WJU!:_^^%/.>E$V*H[L$YYE9;1:D78 M^3.*:;YD"W_Y%NNN1].K^.P:-N#[[-,)@R&H!<@QOX8]+/1HE,#<&]8PZM9P M)YA9#0#=!",L*'<+[K8N2Z .U+L%=,=6 XHMDEP6>46BN/HEK9XNMS1&7V-R M_1)G6[9<-2M+3/^_Y""%Z4;RG22WY9.D!IO:),Z$9.%R>CEVV#X;1F;^3Q4U; M3)?L6T-QTUSX!)O.2&9;I8$497FY83:,I7[U*QTO:YIN9@SW""%HH0AM =<% MM#@C]JW795;T80*979LMM&CVF65KM'.SOZ80FG@#^1+A.X340;0Q62;"L$4PQ M<)8U'MN8'7!M! P(E9:$U-H J5%L=X+=G>;'>U"8R\V/_:+DMYP?ZRE@NM,) M3!.'C) [^X$KF*$)&_^9'U5'U%.5HJ 0E:W&$-V7*_.G.$0=KSV MP?3"$QAUBOYWQ-2-=)_1=5FE:I.RO0?\|"%;YYP6I/@;CL0Y15E&640,"923+@S(^H%FNXQ6P?>)&'VZWP:GF":HM7A8E.SU M$*X50WVF&QH%KO%#]-(8<(%SO)2?15:(OHT)H22PV14'E71"WJL18-[V_W$ MN4DL\:-6UR\5)GF4M5DJ%L#?%OGJE@XX"4_?6Z9CIC4:)O5RR N0IUFFM B& MW$ZZ6-OGO"%4MPXF?>+X5DRIDNG-!5A^GVRT M9 W>N2TP/>1 Q29?>?^8)G. ^#(W98 [L7R($<+9)USQDD;A5W+:*

*DSI:4[LW3 ,YKL\K_^I*BKB)>&WRYT)RT MVQN1>W?)505+*(G(:,%FGRK1O?+DVN%AX+Q9VU:RL;@YV<,U,"FX>K;EB'-< MUUHG[1Q'2!7GU ;=9# SH M/.7%2OQZUHEC<1[VU=&]J&. "Z![N!#>NUVO6 M[2B(R.QQ5)?EJG'VT4Q-O?@F;5PY2C.3\L[!]S4<6YM]OKX9?E$'O13=H%YC M'3OI=T\Q6& (UR48<16-I/EK":$EM\VEIC;NSD;0[R+>HCJCX7\S_N$Z[5UP@&?]8M#=)A#5XBRH58F@3$>C4L M47)A%V!ODPBQNE#Y0F0K?Y-(J*X;^ 'UY-?X,Y)HJ*G26ME0_SIWE>]TV(A M-7?,UTR>8\ M5"X;LKQEZSRRH! $PW1D@1AKH6(L;]>#G; <+ "6+D6;+X6LWO?]$I.(1BTGS M[D]_T;@K'"%4T+_ZX3E9O]1#>Z!QB6_LD9ES4PLHW&#.O>5>67-O7@<.H OK M$R8=MOA1M7N<J?13 M_/8GRJ79DVKKU4&PSF'9(-B#TEW%W^=01$@B<]"[C@!PUNK<1&^NH[-ZJ;= MM,@%9UL5N_W%SPZ2FC>7O5H^1=ES^]24W@PX,^)':NV H&@F5RZ.+&|<^>V9] M4BJY4OS%*M[;)[?"W)ID6A,!@3JZ$<2QK")]OLQS3F48X;O.S=>[X7-3_&U& M:3ITU/D;,UT<"Z1+VLEY;(NY&@X9$?DKCO+07.0K48GIB;@'C+>Y W$XC;E, MM1@YG[@I.N,I4ED!P97\C"3G8L@2I[?*BT=T]_3[LY:;@#4>0/R(6PP;1+N8 M.4:<@$]*&\PE0 Z$E?YY/NG-A5<$3#>1613^RL?1$YW'5'@(_JM4JJ7,P-$ M#& [5"0Y69X@\]#NL3:97AAK.O/^>5S_/K6K(JD*X))]7!G&;,!H8LR<+!*I>ZT-MI@A"\VYA"^^&#+EOV'W:0+>K;M[_-I$$2#Q3:"NED+N!JZG>LH(P*2TMHL;GHE**SSU\;-(X7-R@MFB^2CZ64MAS2 M3F;)E:,F5\)2R39A'6LS_U(F&W;.VDES*\<,C*0D>)SDO6VO(%W#)%>R"OJI M^H2*^:,I_/SV*??U6SG%JGHUM^*DBJ)!+45B(%YJ MB_[BU_C3E? 0E]^OK;8QURX'R]+-!I%7 [Y:4A4QIVV330@CC@@SOs7.#[#[0# M\%GX5N'3-\LT$,V&*\11(YT+'+# ?.7X\;G%VBK$,.6@F"GL5? 40._UMV)Y.T$4%=$>1K'7+W]Y"GS MB4],)-N$=!QADWV%]#[7<1/D#L=.ZPFXF],R4.3"VYUHLL#C^.M?UPM*A<1KK8@_,NBR:22))"E?QO>+Z)69TV9@!65]5R)H*.@FU2+ E A9) MO7E77^1_#OL+Z4=]\O5*F4OC*#V8DF^5D/U(GGXR(@ L0_Z79.8MN&4XW0$I M_1![7Y PZB V1[# K FFFOE63]X0D\HED4STV,4H$91B=)%IR0MK98 M4\6X;V14987"U5'0R2:G6'S621CH.X$$W7V [U?*16ZTBAG M=_]?QE&*PHZ9Y?AW\(%" T<"D04/#N@&Q"VTFBWW1C2?;#%/3D 6423ZL4X2KER@=VT8P#Q7XBQ;,(RCF!O4-G=!N#= M7MN^QAMOR(9E%2+)52&^]-OL?EKY-'\6]')BTV^!(,)!/G%#$0RUM3WG]QC% M[U;Y((IKB3O;6OA=?@K\3@IUZ[?7GY;%+N3_N+FU]>6I-9GAI'TYOP;2[+| M@RB#P]TQ0=Z%WR8]R%+)5,/G]_[E.W"=T7UMNT5!R"R`3'5?%8A1 <M9EMY,O# ,M9EMY^/0TD0=Z!"IXTF=/ MYW1MI""0<+:?8G;GWWC7=,,_T8KL@VDIHJR*M>-<.5/>)2X7DO\4*_/EP8. M30+;+++@X6@-4,Z7 [@!IXSU4V,];[!Q7=/06Z;(FK?9Z%)49WI\W#DMCLU;> MWI79MS^__'S\5K[MS:,TB#^YF6@)ZA)>;++'?;,C9\/#6^3X<8DRFB(HQYL1 MS52*!Q$(0ZP(DD]$6U1).=[98^4,7PWJZ!0C#07KDWI<^]0Q=_N+^>_;FT^/ M#VK6]9V1;?*RI4^G')>5SF

0QH>+:HC<4'&/@.5,DJD:4[%F4"-M,8(L,03Z(#K+Q@V$"-H$*6(4C'3'_L+7FA\(OLJ*¥V,-9$D>8QAERZCV!MM1-MM-0SRK+OVY]HO667A/>\SQ&,.F?>N"?*
JXH8"@Z@SM"416B"3B4RMMH#)73)X-M=NW@9Y>U!V[&FX*E.*,Z+CH^B.&B&_0 ;ETOHUB,N-M-[GUJ0UQP8:YU%_VM)7%M)_9'6?)ZEVI=Q;WPH5P.%,>[HV-C_D;>=*^EU3%
M^-IMBNAO:!^")&¥4;PUZJ4%T-4\0X2_XL1^_3O&8*OXG=S7!D&58(1DD)X,C-MKTO*299'1@_BX+.E'#&-IZ,;]_#JN'!;?,M>WYN|2C^YBRZ*/I*$B#}>F(87
M,\]B0HOY"IC7#'D$P>3;.Y5'07'ZD'5:1DPDL-I;?]_LOI.7*+83ZGOIX$MGRZ-MY5.JGPH_N3M5"W&J"^AAX:H14-]=EK%@XTE,K<6TQ[6M4RFZE-M-WPM-N2RH,
"N2@2HK0-G)'6 RB\B(>P0CO!+G_$LVG<'*2-E&R+CHFR-3+T-M0,D\&3MLXEV#.RD#XT6-P*@!C^GAF"->(%,;Y-Q]U0H^DO#?\N5K29:89\=# M&>@(]!L>IF)H+@&0[8Z'9A/XQ$]
{]9F%@$Q">6$.PAE360WJY83*;<@-M.GMW0HQA/+;I?]AVZ%-MK.AFZ0:",#+<-|%,T\K;E]5B1P!/9U]3>]2:]\1&!ACNK=-ZSS[/?_>@2P5]
M,O1EK\GJ90$I6[~_;5HXR7!CB;HH('-P=WTI?<&<3C*1XB!(Y[%-BC^AWS@,X MPH:%"DU]43V8.IZY(*TI/&7X&>_+[4>-M@[()_UNHEO\)9M-+GMC4->B:,;EF=W9-{FK9[.?
1)>Z+C1'J16/&-YSS5U-&Z-M#M";4-"3#.:,8?5[-F?CYN1#+GT^GAZZ,]K12USX2Q+=F)>1C]L"-0]?VBU6-MT#1.LL;GR"5ZQ1!;3-QBB7I(OQ^_^.CYU)R#([5$(1(4SG!F8GHB,0[;0GI1
MK"GC$>=<=#6.GT87Y+F5G/+CD6R^Z,X"@_;M-M)BC$@!>L(/\6-!TN;\.8ZSCGBRY8W8*>HXQ\CQ#>CO7H-7RR;1>)7@(=A?G% M-6!ZK,.>.T^W25EY.IF=LW*6AYRT*ZQS?
NB<\F[)<\R7T(#¥\;N^1VD1_8]U-MTM:$K@V-BJL?X#<-S14)Y/$JP!YGYOF#/>Z8^A@:.M8,E)"-)3LDH);,%S_AX>ZP3@4I<;TYI.]-?Q]=EH\1.(%9M5
M28#++>T#/,P3$L>;PWIPALY(=B$N,@<5?]P,%_\";Y=0NZ,G7-H,-5->$!U M,]CW#%7XXYH(8A$;'N!*EVYXM)DF2I/=I@AXMTK/W^1<M+150@==V;M5>5N>/$Z
MD<7.&4/L'ELDEE5)QTB5D%4(2U@OQV5A/O7NG"7XA+K;I"[2@[!);'Q< >M, MAT');IEV@F.]."O%+&'#AGKGDDI4P'0!E&24R$Z@8/40)T+.[$XMX%PD0OXG M1IQ!"=[LKA/,
((TQH$8I_R?Q(R1:@ED<.WX1@QP9KCN9Z#*,YP%L6Y!R\]H M,"8Z31H.ISNQ"T5_W&GQ:,2.IW@:B2B:+!-11>V?*>-'"'86U0L749=|%:MD MQ4VU=X&,D Y>N.4'D'+I&C0U/0"!C4-
)D^KJ$0.ZJBTKH./?|SRCC_[1'QA-MF=IND:<73<,;G@4(3BW24K>|RO!)A.A834=`/D#'M^+H:?0R:E6Z|Z%C:,.3E MI22?P:L-4;+-$SRX[&'X!*M8#ZZ#;H$P7*2'H0W]5IO\'E16P@>>"
(DT!E@@RN;X@}AG%24A'1]Y/1^>6A/1Q> M'C'T\B"NB(Q|'1Q:8(WPDX/A:A&GC+ $9}??B,FPGWX$KI<(6@,=((!5,WH(G M4A$_5E"GJ3KU]:EZ_LH]MK_U41S70;L?
UX*U9/!KN(HI.%L*R\=DK*'11"AE MB&UR_&ZW8-],2A8T)W'I6" U:"4L[:01-/K(S\6O)"'*())ODLF$R,#U5V]Y M=&
(RUB*NVA"H:]H302U$,;2)*X.3F#3VI%$R2MO;HD2U]&@M2WI#S6X-=C:" M#OA9S7B,.X]#[7KX>]93+/(~1%MVS=FX=|$'4T" W4KN:<6Y9M1SSG/-A-M$KQ2>DI
MU\V'U=5B0RUP5NZ-1E6O{(W^CU_6(CEGE9N8?<7Y+&NJN'UIV=%']D2[5B&)-M7^WC,E\<9?NP:."6*?]ENM-N0Q1R$J->BVB,^I*@[:1,;>"2H!5;\V3G42CA-MHF^]^$*_1@5-'?
P8U:5[#A?Z[T^=Y>'WD5B]V^/#83#@=4C!LC%.W9(-.P1__M? %&@\/[Z=,=FR]UUF?8._H+C31',1[C[[A ?,SNXCQ(5S3M;3RGW(5?B$0% M-#%ZQT*^P1N$1K+ %X1R=*[-
XAG4480DL+?)=$V0<1300%3USZ3"\?Q4T;(M]C*A]",#1L3^#E@68/N<":7<2I>C("(;;=O6.R!1*YO?&M9O#=[3G;Y\3G*?-M=*9 (R0N^(H=1 ,")G8_X46IIH-(HK-C:>3WL>?
Q^+CFRDYW-CV4PHQ8P]5 M%NH&,FX)D2/YTH&*RD*_N%;]K+SJ//!?:?8"+DS;O^[D8^GF7-B<+Y0HMEV@S MLD.\@C;_#"HQ:&UAO=8\:W6XFS&RO77N]+3ETXS6SQU]B&JU'0
>7.'*0Y'(_M%E2=(;R#CV?O;2 ^L*E\P7[R'QE M-.B)H"RU62AAZI/^9.<#R9RT2%3?7I[-WB^:VJC_>7FYTI3U*ULK\QFWX@!+ M)IUZ%[58"X+ 5]\2&>)NTNG5YE+TZ]+,P41_#D\N:D?
&_>/GORGO^C,!^R76 ME=45ZDJK6 X%3.P\G$<=8EV&L*B=(%H7B%B1X4(-*X1F6ZC[T[JRZFN1<4'Z*;AHE%86U3XQ)-?W(GLZ+$,3*G%QCU&?GZ%,]9>|;,"-"E
M?'##M[,0[ZW.PHRX_YMSFP/6-'$O,-/)B?'4O4,DB9 X7HWKAOBJT)>17B9? M#L5W/"_WX <>ZJ!*AC+IH$C&HX79@=^:N^EL .5F[`2<7-RY/.9S+-4XQNA MXUK] N,;
(YGI@!TS.?]Y;&.BX-LOZLC)/8G_1(ACH\W@T8_#H]O6[\O.V]DZ M6+3.G$7S;U DGAVYH4/\7!DML9-19OQNWA\\#(=-J?H@I&+X3.,'$X!N9A2 M#+[!*,A-TO3,F/-(K;0/.K>E!
f6>'^8LK88Y-\0:WYC89I[7EO]+.A'W>G(Q MN2=YGM>Y(:(?X8C;M?R*V^V0+U?>6}+CB<'$=5M8=GUVV)"OZ^9?7/VYT%TKCO/ E?A M@93+7IE)+(C(^^;S;3S.]4>M!%L<'GVOC)_9!E_Q?
EM_'H^49"]22VF26(5N'M+V>S>EF0!X="->N%;]H.2-HCT;;WG'%\!&R0(_=_B\41\AD)'^)DIFUUWUX:V.8
M+SK7^XXJ=N%"U2YLMI1_DSV1SJ=4LN0Q?)3GM6UV:&OS:DR$1,DB#,K&P__9 MX,P]MM;7D+.OI,T';53$+%F-TAS^R9^/] W8DGT@-_^W^/<)O%59R.7Z>'RI
M;G_;D/.WBG\UNR&F<;X*GE>6_ZOXFW!R*;PP>]W^T'8EP]-MXO2OI.\GG6=R>UZ]G*S26FRR+%E_I[F(?OO%(G'$TX.*N2'L\]5=2!4;J2)
M+OW(!-6DX"]QP.T5&OI+:A9,:3KFCH]3%,I\)5-QD\6$0KD%1"DI5LW:12G_MEM#W"4JPNP4WI_PAHP+)Y'-N6Y=D0=?-H%^2XINRT"_?.MYSF/>;?"OJ>34;
M5]@.D]+*YD@=4*]^@C,S/#,KF]7GV6?SZ]&^7ZZ]E"16DV&6AZ(7&-]N1(*E MP>,5917]H9L)EUTN@;_O*V24S_S1C!@8CXS&1'\E&WC2!)YKA'Z#_\;=[0GW M(Q(D-CS.",BXG_7^5
5F@=/0$@ .\1P"<"60?4T]:E'9O^0WX_%]?60^S/[-M&0\!<60%-CM*U3SR^"}>U"UCWSM3RX9 ;')@D3Z&$9@3%WOO.1<30L1<GVOC)_9!E_Q?

@ND7PZ[__M{O+'B1D}^C^I_]J/H5\A9Y4/,+UNG3PV/GJL.#'X]: LL$Y)UOA@2O)2U\;P MJIE>*#}J-M5>^VTB8|Q8-Z/G34%ZA+/H;1-,\YKG66/_W7P79L+K97D12D;DMVN'=5=|++U$762_ Q:N.D.,!77>!48#K61_?7 M1M08W%)2|>.YNRS@N@+90$EVJQJ I-BAMM^)'M-2,S1"Z32?:@ \S]@)\Q/ MRN#MJ:ES\-#MQB;,Y_.BDT'?YL_]^?.#YUF[(;\?F'\&0T^>.,"9_/E\DEI-& M9Y_DR_/:,F?7]7Y=%^^N#'J$DEA?L(W=3KN'BY_^[>K__<5%YB.3=8EO("7P M)_!GG/O&9^R%3;T?ORC9^7&F%Z%20F*1L2%YXI*(Q>M+HH7!%VS!Z\3_7;.7L: M@3V0'T87!J0"}Z;R4[.UV%2E?'}YS)B1=`>],.G\V[72Z^D_,2<7CD\KRR@ M/%XI=TGSZK/I\\E_9=F)M2]US.(4:H@"MS^1%?2LP>&A8]PI$ TPA(1"W=2ZM]@Y&H6&JRZNQH0-Z19KN!$;.V^3B+W*,?)!:XXCHX5 #_K5W_W9UX\OHZNKU MZ52:*16GCVJ.'S @@'$,RH?BZ9 H9CE_CP%'C04P-!H9E1 .(6E=T"I9L9B< M%6G IF*4L+=>.]YDH#645Z,E59?[M09&6]ZCMO+.S)ULI=Z[N# .\?1[:603BU5]8K*+Y\ F GS/ K^L6N!K>9UK M5%V\2HUBEP74YRIU9A(^];-H9N6+A4:1=45C/NWA^=AUV(%R3BE'M1OTL7(K MLHR=W]H:[|'S)EQ-^=+%H)=-DICCJ#.PC0.[#(@:"OQGOM#@:8@#3 IE\1;GMY56:S4$.74#)YX$U@X9S/&LR&=Y3]#26QIH;8BYG^8;*5<4;K>D457=EO@(XL7 Z&P6^F%&Y;/[9KGGN55Y=6S]W?QL=WJ3A1'?N+WO<#,7E:[2:ZZ&TS\ MX4*YF+"|-GS6RYM2WUX)GQ %.VM^C)ZZOSN=IWIUP_F$JE8;+)PYH5"M)M2J M47RRL78Q]B4)0\@.NG$NO5 /2CI.+W7R2LCD+4L'OTN5SF34?VPO^2"3+49C$;3VN4B$R#;8J%83Y@D7E(O8;![*O<..P>)X/%W M(N Q"SXX_OBV!M3W0 .+3Y0];]?B0&,GS7O;^N5L .GXZ,7%Q;<>M"[//^Z MLF'!SU]I,CSX@!BP<.5HNI:@@%-!G.O9Z>\3*)QV)U=:(;(]IVD)D]^.GSVI.?]=: M3QK)U@=:(;(]+S<63/8%,&R-Z@8-8'9QWL^.5NK,/WZK(RM9M-D=C!.VE$;I((M9+6%%1TE\;HU_I$LF=+HD)\=:U]/NQ3U5ZXO2K(BF],JS]:+[*/:NI.$W4 M(1);]MD2ZX&K6G3 9.9E;I\$%<.( ]@-BK+(YY-]WM^U3]F:ON8=/<:)+0]$ MG(*6*]O<;VTF]G*!.X(/20[*M@.KO?-__U,7]N5_BGMUFRB;@53N,4H23^KQ MTQ7=Y9I!VHD5IP=_]E3H%E" HF>?ODY$P_L8P9?W.:$]T((B(X!D-('O@GMBN MIKUR[VAB 7KF?WEAK^K(/=+TZ&_@1R4 >AAG/*0'#OQZ/A&$]0;R/@ 7_0NT MB.B(MT\AA.[CBU/\2=5B0]E6-\GF\\0&)2J/A,QBC(<+SI3U;^L3SL!PN^.WM20[DW-;7.=&E:X\3=#\|S"%BX MJ3U+0Z8G2*WX&0AJ*XXU1KE8OS?&_L3SL!IPN^-WM0[DW-;7.=&E:X\3=#\|S"%BX MJ3U+0Z8G2*WX&0AJ*XXU1KE8OS?&_L3SL!IPN^-WM0[DW-;7.=&E:X\3=#\|S"%BX^ZJ%4\C1?0O=!JW%W_^-/AJC+*S8R-0"@P1C^3+Z?9_M=PZ4UO6X6!RL5@0#S2OQAUUB8;3RQ3U:[G$A&>13R>_"I_0JG/S1C\[X"_%E MR3*8YEA8F+2I91!?MF@F,1H?Y>Q\OANFA%D<9+"&RV-W0%$N^M&P;, "0='F, MZ&-@N^;*Q4WF M3@F-;S3C)3K _]MH/ETAC;"/K@,15;21.R .C&IOVP.0;^~C>[^[F M<"CB?Z$3/-?9+>U5'+>,|^ZN3MN=#F\-/'<9L0#D=EE44!T=\EWQVXI[@B* MBIYUA_K!7[O!$AFY&(KU,=>JIU9&8#WX6A3?W0F"(-F#&!@BFM_K0F9H7FH9-S/&=@#G. MT6<]TVX3Y_+W?BIHR042=0>R/'RK5Y\,V;T:,,N==W\?^$HVTZ?;2BP,Y>(> MK1T?\\E,;.@,!Q0BF6:?&AVQ',7K7:7R[QY1/2FSLV9 M2DQC;'ZO&$I,"_'G0XWJE=[OZO76^+S6J,4?3J:DU#Z7;?0=A5 M[=^]BW]NFU>-)0$GI\#S+F_QO$O%[X/GS5 \EPS.71;J02AC3QII/ARW-QX;M_^#SK%K>+|^]#[>'8G<1B8PS\&Z$;CKS[/.H/1X*2D'AR*=-_^P^H$4W"5S MK$TKU[9IL-M1^Y@SW!HI47K@#ZOKD6:8N%QB--9E*RL ^F(@ZU+| X'HC8S(>M*S+0Z8G2*WX&0AJ*XXU1KE8OS?&_L3SL!IPN^-WM0[DW-;7.=&E:X\3=#\|S"%BX MJ3U+0Z8G2*WX&0AJ*XXU1KE8OS?&_L3SL!IPN^-WM0[DW-;7.=&E:X\3=#\|S"%BX^ZJ%4\C1?0O=!JW%W_^-/AJC+*S8R-0"@P1C^3+Z?9_M=PZ4UO6X6!RL5@0#S2OQAUUB8;3RQ3U:[G$A&>13R>_"I_0JG/S1C\[X"_%E MR3*8YEA8F+2I91!?MF@F,1H?Y>Q\OANFA%D<9+"&RV-W0%$N^M&P;, "0='F, MZ&-@N^;*Q4WF M3@F-;S3C)3K _]MH/ETAC;"/K@,15;21.R .C&IOVP.0;^~C>[^[F M<"CB?Z$3/-?9+>U5'+>,|^ZN3MN=#F\-/'<9L0#D=EE44!T=\EWQVXI[@B* MBIYUA_K!7[O!$AFY&(KU,=>JIU9&8#WX6A3?W0F"(-F#&!@BFM_K0F9H7FH9-S/&=@#G. MT6<]TVX3Y_+W?BIHR042=0>R/'RK5Y\,V;T:,,N==W\?^$HVTZ?;2BP,Y>(> MK1T?\\E,;.@,!Q0BF6:?&AVQ',7K7:7R[QY1/2FSLV9 M2DQC;'ZO&$I,"_'G0XWJE=[OZO76^+S6J,4?3J:DU#Z7;?0=A5 M[=^]BW]NFU>-)0$GI\#S+F_QO$O%[X/GS5 \EPS.71;J02AC3QII/ARW-QX;M_^#SK%K>+|^]#[>'8G<1B8PS\&Z$;CKS[/.H/1X*2D'AR*=-_^P^H$4W"5S MK$TKU[9IL-M1^Y@SW!HI47K@#ZOKD6:8N%QB--9E*RL ^F(@ZU+| X'HC8S(>M*S

*8/C<+YE>7# M1M.=@:$.D26;L#-YA5S22?HB HK2EC^P.Y25YR-\0J;>Z/Y2/DPYB*F?'KOT M.NZ-I_Q-1:05X("$W29\9@-A0)^@S_BB*J(VC"H-;S_]*

*MI%69QL'6!&0"#8'_XY@\RC@S@Z36'(L?J;JMT"A?KI-D;M7_F7IW@CVW/GV7"%4=WR*NQ*-`"6"4 BGI@Q,Q M>=*+:.1F#;[W7;_&0#<$A")AEQO}>M0U4:&+LB":IX?%G7OM\C@HT_2YB|\J^H)/Q?Q"P'>3V@E$H=F8#DTA+5)$|,,'X:0)>K-Z&"[+|-7.] MU'+U1E+C@R6AZ]K)Y3_C**6\#$}1S%RP<6+\@R+^1#Q,;7AKQ?#[/ZV?-7L<^_MJ*

*8USF(WBL]WCT*4%,OLH&3@=F@C!3(EN\JU-A6-XM+1_0%I+-]S2(:M?M M9FP5!.2=SY"\R1*P7,B9$W/GL:66@^'0E6A^'0G&A<_%4DTP+T:[]?QE66CL;D}Y:.X LWG*

*M'E\OFU.Z^CUE^L=7%.G^_C 3/OV;FC]0 R(ZB^6Y\-)0C*0=,S"/9_'SSRJ*5U,"\J:/K MR19'FUE-K*6BS< `^-+|__UV?:\\%6GC';"9HTU:3^DDM"G/7%#+Y=ZZ5ZIE M6S||L/+ZV:72R)-G/YB_OU?/[HMK5H&;.8VDj?1-9]US-A#86WFI[E+1YN[Q M_D?QL'=ZKM76K-@W<|298Z!C FL=/QE[DUGK4HN)W3N(0LEU+#GA;7IF:F$ M4QDIX23HO,3*S5!CULK-)&Y*

*##.S,L[&#&6<, ^Y&UG3FRU_^/K7L>NGL;NZ: M3J6PK>J,5G46;I]:5;/?/WTZK-\5TY1UVH%SP1&#"=!})+PD276="]=);@L^ M-ZS@QN*WTG%#IN40;9tD(]E{PE9_NO,2C7!>NMYG"&3YKt3~OfJ>G MVN^D'@E"$F=3&;H":&49X8I1&8(IN(U<)9Q_4^D*D9'.GNLX'Z661(S!=',_MUGM5ZU_]U^-5>581F$E9Z3I*

*=XGDD4']:Z.^VTB9^KHM/IVG%&C9Y;BKL5-]-MJ*Q*1%[\>7C,5XH_7*\V7D2NK"IU-3!=(J>8KTS=YO) FO,FR&|*=6IQE72$ M412M6*GN5K(ER/6W29^W*

M>G5)-7]KJ6<]>!YG]B(E=E-8V,_&W1=/;U\XYT8Z9_9S%=0!FWM[$0ZU6#?"_M8CE7*&Q+7Z?K'".M9)[=':Y$BJWVOA^;^7\?GHX6_3#K.IF1V%A)?O!=B

*ML55>K:9TKSU/V6S[)NGP|%E_?Q:O]>Z+[5LMK'69;-+338^5-

*F/$H.SP*+XN\UU67X-ML^,U>^(-O[VAXT"]W2@_=T=.I];@.BZC:C@1; 8L=M·M%)0&$%0^_*X\@RF58B7_KOW^7>%|^.CX)_\(+=96/8?A5G]JAOM3AK 8?!N. MI;L.0A)NR#:&RA5=EH.W<00'#.YXYQOM*-BUHS#8A89;@L.6"ORFOG@F4TIY M?D^16_#7<>2&=I442--F^CU\107%O86]\;%7^_B_9]W4",0 !L*KEHH(!=O& M1^)K"S#[US7YO. /L\Z%=M9#%&>P?%\W)=;'CP8*ZL# {.H'W>W17_"R=I5F MNTUQOBY2@]O3'2!C.CG\9%H/"]>9W0UD$1NXY3""UN="4$ U0<'$#X8<4Z,L MQ*?,T! ^02 JUCZ-$.8DF!8;&<-+GO [RD!Z8!.QVQ/H^_JC_V[X?=MX]KNPC_*O_G.@4HH@YEZI0OYNjU G5A,6Y?#•[_GC.":5* 8T44 M:32=<|\^$W) ->9D]JSTRI]SN;RO5<.CE0S@]'A_K.W95$:EP+6;\(0>F@78 M]O,8%,LW6:,??E"=D!3B'$@%64,L*!!XA'<1Z<(%TPCN63W73A_P# L00.{' 2VB'Z^H8V'1. ^L;M1+&(#N5K3@>NRF>,9OO8RRN6X MCB%X%R*!$[E[U"#*%06IQ]14&Y!~Z"|" %ZK#P]&[@P,V"W\PF;8UL='MC;(-MN)-.(}>C-T#*$]>TV&P"^Y^37V_![FG0)A*8 ;)CI(,> ,?L#_ $2AGH]MQ&?" MDA;Q9\&@X050-S6R=D. fV]@<W$"D"XG20+G'|FS5%N3=R312QT,,.M>]•M< MB2*&)!C<&_6D!1E^,T/U7% M;,<+/?N6B *(<'X>CKK*(>,P#AIT-!%!S1R M9,?--C$W_G?>/5!?C>#OQ)A0)N<4UNFP-KVM]_M,TP&CC.$679:\Y2//IKXQ MR%)4D)0Y69#LTI,O6&7%S M]%DI.%D-SXK]414>,M8=6$GM"@J^QN$SK N6[HT'B@YE#2A;>O#N'%]TH'G\!OHF$*BC20- ZS@B,]\44T/+Z;8+Q2H.E4X"/*%4@X_ M_\ O!'> UQ/<3+.EMBU5V5<'N@MW<49[Q/.1\8\WK+=[BMSZR-,,"I CV!H\ M[F]R"?:GK X5>78L%JJL7.FMFTK##]'GWZ8 *MW W/;4? ^A;ODN$O5B)I"XLF 7G {Q&A_!6M[)YN&$"2EC?@J^2(1&SL]<<_M2X0#-]SQV6]'!{N&ML*)P$%*E^>D9V^LNZ$5QFBRLU5E;_=Z-Y#ZWTT@!MM! M[+KJFFT2/G%=7&_? RQL1Z5<6MB2 /0&Y;I-J$P? ';!3 #^OB>1'7]|!OIH MCWPW2BP!4?A\03@B6L@+/Z)F!US* "G#)@:W?HW;2)1:D(VY_9N=+RIL-,V\^B4 M3OSA'U>7_\++#UU=GRB&R(E3C.27$%KTZ@\=.OUTIGRT2B-$_PQ]P%<_AV"|; MK>Q;]@">NKC9_]8'-YO?';^G4_][*8A;N=3^]>$'^,/IK5!=\!9O0*("FL/_M@17(%P'!W."F8D\?8+&? ^X -,A(X_^8C]^4\^5W M*GEWKUC7XT=2KG>^;G%JA7!I(V.]?K]GZZ":.,I7U;E3[YFAPT:XSB,TB]&O M\L01<*O!/S]BG,-5D^85\9W&'8WA(.0!:[DG)BA,'J5A,*=MZP-$$.YF+!3R MA=M;\5/4]M9_#X/=%YVF;6,C87RU^:@[M|=^4Q@/]0Z'-\2H6>]6 MV4$\Q W@8M'WKYFI6 ;YY3*9 R*\F_@K10NV^395=+?)=2\#3W7QF=MQNQ1- M'MU$Q.M9BP>!Q\+R[2??@RHY1<154#" RC7[M*0; +;"3VG!&9 1.([' XE/R\^0681 AD-;?7CG-AO#Q"O6N1X&.AMH+@/8 MKMH'&X;8U'*Z.@D9V?DQ'PAO*X@X'43_A@"$_0R"S7 ONZ*[2%_U#46/097 M7<%JZ\"G.PD6HXG]G$(2YK@_W^3] MZ]0$X!-PR;)W_A@(QQ,5!0$&%NH&0 #Q_"<@*-4HD'U8.23;@TCIT:[U74(MJI;P/I, ^\@\YFX-?DA/Z'OV&\+1-)R!LYI/<8M+TTVP2D0J-(4(\14!K%6)7 M'G[/#H.K0W;A MASRT I$G+D!$,B;BS> ##D;//"SW#U?]8%]>K\NK#K<6X(D?"X5^>X M_@Q8"C@=71X^UON1<< O M&,-7#D)WZ1?3@? 3\Y,2OA(6L(-WBOZU/?C>1$#MP MLNY!O$UU20XEZJ&H'I$<3Z?:IRP+AWLKMS>O])M8_F:G-)G;@*YRRX/-"]K; MIF?*-+.9,]7*-E-F_7 WU&^05RYEUW/0YSW;MH+;MH+;MH+;MH+;MH*K;BNX MR5K5ZVS:M\DWML$M\389[-N6&"E;8N1DNAZEL6SXK;^&CA)")FX{2FP[2FP[M2D5N*+'IK&S;KV';KV$3^S5L,MU^MNR%LNR&L=S>$;:.N.7H-O^[7@-OUJC7-MP)M5]1I8^TR/"<"%-'VC M:BI_YK)(IKOR*W4^RX(H"2>0 5&?"P"\O"E]I/!AV8N;H'IG=[W##$)-^!Q S]662B2AU7TG3"U;Y#M +8U M?1P?AY\RT:R>&26I(GS'ZNP 8': WF)8):H4B,/PH@U.LM; U?L@.64>,K(E MP7IP"RW+XO,](M5YPG4"5XEO!CG>H>H@PM, A<@A>D-.8%%,*WIM8.6AXXA! M$9PVVJK=LDS]B9SU]#-/%G>8_V'[":&0#?YKG7EC!F_->D6PGW)R27D&.HGW6 =_15D;R8592DD#5! M;RX5W=8WAW5%N<3'5"C\6\,\612K'/M"\>AA.466'&,\UNR<[,/.2=-)KK35$DG+.9\T@FI@<5XS?Q,#E4XO@FHCQ\)5?>7#-3L:8B3ZG(S,O9=Z MY_$2AI^":!#;O*!9^<)0Y0B1U ((&0Y;(M0"]K^OL.E"]T:CE,*(7@\|#O7 D,[J76+'+MN^6I@[%XD)Q[)C=3]P?KQ2GUG MA$L'!4HA&> +4GR:E]X'70IX:/ GX^[G,Q5NS\(R-QS2Q-]- *G+;DM B_8"/ M6,O&Y$> ^]U&SRD=#5>EPYP>HI;H[@7@Z?(H7FBK%LF^HB%(E@1$AC.3$)/ R MI_0 . ^XQ0*]Y?K#8?,#X #2-&2H%(_BN2-&5ID%@N<1V=09&'$7- '\.VY9I M];D^("?KETT%S(;WX15W-540KORC*P>#:N--&J KUXG4)\%*Z:Q9R0P!!9 M6T[+LQT6;K9!^I> ";,5F-3]S0 M>.)S=]4'":##X8]2K^XSP0"]A#A W%RE%6X"4W^=A6\$8H5|=9VF- ^!['28, MU.T'&#QRW:./%@?IEHZRU)>;NMWR'* 8G 398XR0YE0%-HMF,R^2W@/CKX?Y M HB# H6V:O*RYO'RO5=EV\<$39G74$?FNZJ4G*HX=(.\B(N%KEN%S],;G(BV,W983"%%K_K:YR!]KHK3L7S*N5,RU ?3V] ??X$))Y*, ME"4ET2)VX#==/RE$ ^A#">6T<\/0IGO]%L!LP:X!) ^ +X["Y0A@(#(KR,E1;>U M',71PH;>+?!DR"6W+0#/K/O%&]HD"HYM. +DZU#2C+,#D8 M -=8?(=.!0O1F"&B,RVU!1?S/716=_ &FAK,FWE!"_4>#?P(D\-4@#'T;0)N4 M|5M0NSD$N12H\9:FXEF.+Q17#'T/EU.K? MQ7WI6JXN>C[^CX)26;^G(:)GLC M $%)IM@PK*<:!L,J;N(Z$H+2-T7X'KZ1 MO_'>Y";D'_P6QO\!]B>$#3!GC^>. ^*]-/-.2&/S;V0HAF.I]C+!E%_-J3XOZ%;=R_5-O& M_3=0@*QG>X55V07<1#WC788NY#1WO^_15O]?GIN\&-/]HYJ^]<#=W$RZFX@? MHGES%OS%5[#)1/B\NJ^K_ 2UXL&F4"K/^M^W=D5A-/K+*;T:.R+%5NV&5N-J M+:, K] (&!H'7#' :@A2U+UP8H(&X Y184(^]P 7^4\E[_OD0)EP M0+5.[$XH?!?7K@5B@SME,.R'6B_]5S:-ZO'IBKZ;&.DO*, DD;!*R1*N_G_D0IBU[807BPK-EA&E#>*9.F@>P+N,X>$@1Y1+%91OO_,N5L9AN;]PAA+A(@T0 M+5"M$H7>'W39ZBTT^8+H,=+US;04]P67PTT,4Y]R,-(H!VPE$O>>E?#A1CP.]IVJHB7.';+>+ M7AI.SHJE8JY:*TI.19$B2W2YQO))VX=_V,$-+_ZGL%N3K#V;#(ATILD2;#Z" M&1A4YLW3(YGN(PU???<|=W1?L:Y.]5R4 "]G.?@#*]YW2LJ[(TR .K=VE5*I MM%.L%4KUQGO.'1Z(P-L&&:M!M;B%X=AA3(>@!'P4.A02\!QRDH?:>ZMMT4M> MN/7D8]F0!=!O.H*7R8-H1C28W6WL-Q-E_+-E80M9F^.2D -C]WXG'6(_0T>M-M'U^? Y'A'YFAA.27W*F,MR!6IS@<)"9U^ZAVZA/QKQ%8SEN.BT^=,=4">}CR' MN>B=BQH"?H,*ZN2!I"[G[M2,]F)%>,E;^%^O3ZR')VGRP]P][*?MX-IT$#R8DR@')'@A >-4,&?,0SWY?:U MP$B7Y[']A+4SMBQI*BC=09K),^(N48O+!)$R]DWZ.4&X]]8=H-8A,Z]$40'$Z M$[!$3*ZA.O/\6F'CK Z'RC@X>DR89*"$HH(2H A2'DEXL;)EPID[BH L^=R@. 4]5G? =$\&6V#/"+OTJ7VY8M9^U!;@YLW0BG MCXQ+M*;J&LY'(JU+5'_ 08[{A3@Y1_B6[V((WSBU%D)SE3!GP91\.!2OC'5& M$J9DJ!\-]ZRGM\GWC(Q23C>2F2DT)Q&3&HKY(IY-9 CMH@A2"V8CLIGEG!"+S]_B+D+?Q@GAI-L!&E)U">A,U5NHECS|+N8S5P'DK_[Y9.CGP/ (\O] [FW_+Q1!8)G!6_]\#S/<5 M_Y[Y* ^ZYO;PT?S_?!0?V]&LFP$F+,B?WF)8]+ ^N+:*CKB8_=(!3E4#T26IW MK8&_9GZW6-'-*>@Z,M')>&UM_]\6F!=@W5DG9!.]2[@,7PFZ4.9WEFC6FI$ ME^9JZ2"4.-L\OOLL-WH05&+]YTT_$I?7:C]"W"5) ^60KRU^Y;]8'W 1#0IQX M>:Z]> 6;@,EAK %QQ[B"WR,%5F4N3[FA_E\/- F65#[LIQ)P#1F%(L6'I^KK MCI\V%H:Z O^?L!/^BS2S)>PM8;*PKY&%STAJ!U!Q8 _:F)=*>ZC+H!Y2*$S4=34@XL7XO'?T(#0'&L=8A!,(EU M2ZROGEB;CB-:;P6"47B5L(L ">4!;_M%E13#)+H. ^1*XT.2YZ:1Z2S4:5..0 MU2F<,&C[.!M->Y/R+8O;?M2?9MO^3R8N0%,DG"38-)V&QMA M@!V=[" ONWCY3 M?V'>CZ>GU7))/(E:Z,V$4I.^(? #EH)N6[)3@;\|$/AVA7T M3 -K[PKKPOK_V7O3[K21=5'X>_|*'=_T65IKFU MV<2#9U<:CF##.X.N'U?7B[N@>@R'AQO+ "IY4SIC7FW"C*%!M:G6U'&$Y"NYMF M!MWS@- O&+'R5VQ|$D;YD"0023HF0=0.E+ ^5H0D)%^Z@_ GR-J@:!1GH^NLPH MH**K-G+5LG9LKRJZA<9TWE^9VR\GG'HEDSW3O(=N/C0Z&ON3$Y.8&^.3W.Q M9]V-/.P!78Q'W-V&>AH79M@;_LNR>]*93E..+IB3PX&2R/4%(^AX.BUGY"I MHOK#,]%E !E=%4/N!& W%@%9Q_B<5#[, ?EDPF>2$21V? @>GZH8E98<*9! MH_(-? 45.F;G+YUJ*A9C,VD"&C8;HB1:KF9$EB/S"'L3Z5NE&)W13Qj;:D?< M3QK?H>_)W*=4E_]065^A$14V5,[RRF6C8]HN:K'2 -(5M2*1(>-OPHF)7/*9 MQ*H3Q>M/KU\2MZQ_PXX\UNX[=I?;_^ MH/8\HK$M6#D8!667^IEHI8KBMWEP_K%Q'KE>_.C:0)F^U#W7]TI6'8Q>]V!MSD/|KT6?^H=DEI%."-C_M;=#=7+/KZ^?/- &OT77RF+C-!EZ\<0(,QHX-O[L M.L ;T'(,#>D!7D2 **J^A&G3 W5*+)T-,9"0&0R(M\8CL5*.!. MP((IVTH=##=2?(!U*I4HV$BL4=1HEED;>N-[X PGN7W1ZX7YH:1CLS7D%H// MZCPS;I69?*4+'*>NWKP[P .E/,JK?46?2>>>9U]5\[M[&=9"Y/DA)=BR",1V+ MG=LY/6LBY_^$V? 7<0CH\FAK,@=.K+S3"YHC@2)8_*:NY3N#C=X5FM,]^3H MLG6$3*2KP QCZ#OQ@9]'KSP5@(CFHUXVS,\'),9U65%&:B!0*>%)'|%=XQ-ML R+,GUX_+PVAIB#(X?Y) .QH(.?)4.06$K&RE74[Q\-8A^G/N(4#U//U8T< M<^[#(TC<3"@[A]3AKX7M3]? 7]\V9NX>M@X9'N;#:H3C=FX:#Y+!9*\;)]6DM M:OZR6L,S6_\0NRFFMDGIPS%< 2%H^1021*BQ^.KYD2=PA@YM>'3EI,UE[3R< MQ8&G_0#7-_*SX%5<(]=M?]/.5\Y>PXE7_$(ZI.PY*0O2$MRL[+Q%)@?F3*0& M7&W>,6X2-&$<7LAKP?:\B%VO.'P.KH:JXT=9]"[N0)WT98X5U!SI5 TLA(FO M!5C'9+_ *5"T68X$S3L$\S(L"1(0>!J5;"2I>H[V2LV(9F0*/V>WX!V&^62@*B8C$FJ-MGK:/AD@1$HQ\MU-KR)0U;44DVJ^"D);-G/0]U)QM)1M6J@01K[Q^=N@S_228 MG\^IBRH0$,N8?!$?W4OQ#3#1^X,L5H&$6-(" 13KE[!41C&3GN-^QW9N^#.9 MCB03<#1*YAA$(Y:0=L@(Y7?FB,^/^:RTD-.\+V2C#=G.@C/M>3-JJ!(67X%! MC8S ;$6A\Z6.VKHO!SS\O[M=^1<6>E%C'&1;-%%6-^8A=I[ZTK]%1(=]OP8, M@W_[209[^&1!U&F]/1W_[ZXRNM^-?>@MA7*B.84+<79^9^]'[,3?L*L)0%C M_#O;\R-@AX'5:IW^5D@.? 77TV\5',;+-B=_[X7=5]!9('I'=+)8M?R;1@+) MU#R!4SH9Y3&7'2?\41&;HR>J-[3K&A23ILL\-6>039,8R&XU!"3DCUGPLX2 M%6<.A?)A'+%,K+G BL+[-/MEVF*4 KW$L8P(&FZ(.VZG M'.5D0QC,F'-X1K(6PI/>'X5-A6%B:D2E\A+(S>NW2A^$Q'NM:,-X6M8+'CX5-S8 M4SV0S,)#=Y?# U$GT=[?:GIS8H;,=+/|F=K@/,NWPEZN-KYPX(F4WU53'XP9 M#(6&8H7L9558COI! (')>YW-]8ZM]- (0##4@"F'-(C@XWQH+SMG-PJD9J! ?M48 "9ONZWH1'K'H]!(IE, <8H%(I[\.0(R5'FX6$;!3#L[&&GFQP08;2X+KX$ M.X.YR'@X1O2=F,SWA'9#&< W!W"8<3]=R\E8I>(-=F&$ G--N42D1_)2;T+9 M;80]8/1Y=;]N=XAV'3;\DN?0@4A]UQ47S//O@,GZ8]7VH#A80\WC*.A5A<9] M/!644V55<[C9Z1TRXN+E;@-JATR9.D+3KRU03[%? HQ0>),-F> G,1A.W M. IV1W+,2^+!U$D\G?,ZB6<'=9]=ZMS23DWK]>O22Z\):TMI&BI-\IA)6F MD5[*=0A3.M=/V0B(<$2LGB\1*=VI;5U9=+>_>703_9#QN7143 M4.BS[-=EK#=FXU6Z8>']5%9^JU05@*W^C/K8>(;.AJ(QC44XH,J.^;H++8AE ML*0OL%^2.[J4PL9]6PJ;VK3<\+O M<3:NVPS*T8KY")IV=|ZP P1BH3N0 J2*G+N AA3EOG "0&30RUZ+$!- IV,D] M!HV5.RK (CTJFZ!'W!V^L&4ANK0-\NIWGF'/G2_,N2+'S;;=;#;)"U'H4 (Z M'K;AHN&^E,28#^P8.Q.I:P=Z\[*?22_$:R?D+$0@CYA%1C4R1N5OU"6V\T0 MR'IR%-U@G,28" <$##F0NP62>3?YXC-H]3DYT&[HOB_U(CI&>P#N4D[%IE#!< - MI?:(5IBGR1GA4M@K)K66U8W[DV]3WJM$0(9I:L.&,8SX(% M/[BT#R#A#0%>]8PT#)Y1Y; 1? 8U.YC:X]S@8,Y>>5!?' ;GU M=KS%UTKYW?\!D_ZMPR.R+[A9%T#L4Q9;7\BH2AX](UMA,4E9*V[RSAAV.B5K MTTP>E:5M\41X]$"@,Q]=5GUY8[3"&#OYIH)G0!=&Y)#*0J8? Y'OJY;J--\Y+ ML6(_D;6E>;Z.:<^F0_P5C@K/$AH5#FK6S0Z9L5N-#JQMO--]WB_A%. NQR#T MT'!8;Q-(O3-18[']@VL7@M^SCP!$A-*/B6NA@\[\M0R+)+2A8$(32D)E*^5# M2=Z%*B4EY5<PHCVWK"#GE'!,#/!0?=)I:K/NJ MA8-LQWX"2%M-Y0DOO.X&-9N@',C>+148K$#[+D'$8OT8&@6),I)RA*R)>8P5NVW M.L/?]KWW&R(OO==VN6A$L>%\H.I[L&7QLN2.FBL@Q/V15/+]C2AX M3G!E8S1XK?Y)%T@.O?=14BM[JX;RMR(.YM ."-H*WQ/,?<)VA]"EL87/L*] M/;"5%)$C)W9A8)%'K6IYGI.F+,8R6@<& (.6IYR7K]K'1H_;MFRO0#_[) .*1N MYKYZVOI$5R-]8, ^L0V5//;6M4-1YR2ON/2KI0 %;Z<1/35O*T)X][-P3@G6" M-(C=.K$;P*G4 MNT."VXX1,BXXI!H;@/%;[$_S;R? (2!OZYL3DJWWORRK@QT6/.Z6!HXKHZGOL MXSU>JWN\D?<8^>H7(U5O@\&-+2*YA55HQ*-GZ]L!,U%@|+UFB*!,2W;Y MD[3FA^ ^-7;V^QPX+F<32QODP_R;+""ZY#HJ_25KR'#66C/JK0'U0<*&'G 723:W{(I*NMV7X>D >!QV%?\S0\I0G^C! *X M'';0U)2P#DJ00!<*Z_%=/;3/"WDK?3+? TWM]\FK@UY3++#_E[LT8'@NIFI+[MO>OGN=0NSVV13P4Z0 !Z&/=G]2EO[=9EJ.61ZOV6!ZUPI,#,GH'4(YK\YW/K MY&!2B),.?.PM[IL)V3SC[%&D,GLCB2L4- L4Q;+!FWY(,GP2W(P/SL*OD" MLM/2]Q@.7K.5>2Z49SW<3&/G3)U7V>Z /5.UJG9:0,=S[$G("7?X>[U!| @ MR3+3>-JHD|+?<#X#0S(BWLCO<*!D/ ^~0G48#>M>1^C0M* Y.R<&7+#FY1G: MY6>HXSTY&ZA+[4I!+.L'@&&AB\D,4GPEY/W ./MF;FP3Z&+A7W=R[KO+B(E. MJ7SPM*K2Y>)92FY-LA&WI5?"WZBZC7-$S%MHWR\&KIJLLG:#,8W2&ZLIJ3Z MC6;],3"P^&", 8=P|,M!\X!;2&" 6?GWTON0?B)}!3M.@$K4OUY@*Y\%TB*LT M?SY !\4O,:S6O\%;V)#;9E]&P?2C9%Z5,]++HW'OK('H&S29>C,K$/UR61Z^ M)O!>6/+!V'2&E(;I++>%A.WAY^&=(Z5O">Z]Y60D RUQ4)1 L/6+5-<^YKX5?M\S:-M)1=9=5%EM[*A[<+_Q'>.DD[NBY2P!5Z0IU[F ''B#N .&&@"E\,&T9R8AU-N M^-]^X.GZR*^]*?)+[KVM1+ 8).[(%YN$<*>&\|#HA_$0J&S64UPGEGQ\0R@O^ MB1[W;>SLH1VC[VR49\X INVW?7# M_H)D#M5!^7:FA2]^NV?RX3,;866G],2 ^"G%,>? YR*7_E79.Y\,>^1\ZI$8 M+^#@9;M]MOR++%MG@AH_1:N_%,4ZVI12W/U=UE.-&N="_^[J?[T_LWX:@WM^7 MP]=WMB"_!D8P6Z!?"H6%%<(%6?M2- [?.8O(Z#SN=>3!R!]BC$Q@>&+E MQO*<"%[? WM>YOL*5=K-B)Z<=VN(KA*BQV=+B+?[,OG10/7P M%'CKJA'UP37E. <)B=KNS[6<*\%C4GW+KA949(IURG%YHW75NK'U<;K, ^.8. M6\UROGH;OUSKIHX[%;K6EFM52[')K;U;-@CO5CG(>E D;-FM\T7)>7/;.CTK MMXT?GI)/NHV%P;5;$F6!WBV; W/';G6VD&6>X?#-K=O6L7UVLBBP-DXOS4:Y MD;9/0N8JZP6R P[J91N#[M%V7GJK<[Z=&SM;H\[9I$(S4?#CLXM%\VIF M7O[@DF?6H57JWY_;.VACJ+%UB"8:FV?9M;JB*@]/&V?*

*GU?X!!Y*TE1[K%23X<<$_<:$_MH=Y/?U@^POB 2L5ZPFF?"A4_C]VQ;!^W5QVQ>.0AH_S^Z2S\FC%XX9IRS¥M M+I$F4 ?6%L75UFF%>_-A VL/X]9YFW?*

WD87E95V)'KNWY[#563B,M$$7U*)[MVGPHL-E8V(6\6Q&$VUO<; S(VX>1AZ>+!JPOW!#J;E\<\-3N+B%<=DNVO*=N'!%U?Q2A^^BUKGI;*

*M>Q!C>PBY4^4%[^HQ75U@MVN.TL-R0?*HG,6'K58=.GC9JLC$>X3U-N=GC?N1 MQ8.K$>N)"I"^P5UYC4Y=C!P[>&Z?M.H"D57#]+S"ZJIA>D>8=KIUT!^V,-J]47&;9ZZ+'+"_"*

*MRM<%I55Y_\;[KZY9QIG=K4@6*3WTNRU=P39EGUVO\CY[1EDU_]F-6,Z+0U$9_,VHWN>/?,ED;8]>5DH44MOHM#+8L.]\C-Z0K$ MZG-+EE1=K9<%I2W+BMYXD5N_MP2:P;43I*

M6(CB2W@AM[_]G,:Y=KC@Z/#T79N:VOA14W9D\XE9"1S&).MH!Z#BM,C=NL]_7N MR3[OEK=M?1H6T=#R^R[%C_W>B4LY%XG_\)%D:G,A*A2]\2L/!?@MSGEE[]J91:;*

M22:E\%EJ!L&!^_+9R?E4FQ!8)1[67<-#O<&PQ[A1!7G6QX26ZI4+. ?*N65 M1G1*UU[TEAX)8-53TN]2*7 7"SX>;^KO4>4XIY+*PWYM%QK7S0"NA2B/P. M'I[8S=-RQ?*

[N,%UP>L<>@O[$!AR7YZ#L-8:N;. T\+G=<$9>[!YJNP$Y=OX9= M\^OJO6W3WG97 YN-T'&3GCI"5^_MH?>V9B%4;6BM-X"14_4!HOJ_$:C"$L+

ML"\NE+'CN\=44$ZU4WNA:7;KI@&]_AL_JY[?)&,^/A@<E=BUV\V3VB=V>'[<-M|_-O2@8MCJT=#\OD#OM!2K33K;:#%RKV<9QKHO=O4Z ;HD?ZY!NH"78DDV MOP?.M/5[?*

*I83&;7C9RO,F7!O^[>WO52Z"G/Z0 &S2[JBQ2))8]_5W1{0=IW^_MS&QT0I:O[">`VIMLFA:%CU=[Z{@GQ[7^MEK!V#FQSRH*GO=5VU@G/(-;JO') MJD-,,X"CFXC=G3\%6Y!#^D;*

[HX6]?>Z>P23K;>B58FB3:F4K1/MS1M>4LS M0=LGY?3PX!OKVIVS9T?1\HU==\95^-W,["O/3U1G.,]0Y.H@8/VW";/ 'DC: MS7 :#N7W>O+V-T0.5? #]M!>5#ALLYVJ=`2\L

*MM+8[A+0D ?DZ.?@!"&A;"Y/:I]M7EK3XGC8,K=TO2EH%?5UJ/4!Z*A;D3++ MX+BQI02^M?#:/"WMJ/FTF$-L6??9?=UO9;+DU#ZM\&VLTIVZ!2<]MT\[*O7O*

*M^O[U:GRG]G%S^RKX01-M-A:V*3;BPUQ7ZN?'"#&(-(;9[.)/WP;'>L<^Z]T[=.M63C!<$]AVCZU6^?E-N0&@+K569OMCMWIU&G-RFO4;=PKK7F-_H?-9?E?KBA5*

MPN&\.3TQ\,.0TTV$Y[KI7ZQ<€> >.P?6YW*[*-MCZL>X.RLPF^{06-Z0U$9_,VHWN>/?,ED;8]>5DH44MOHM[M+8L.]\C-Z0K$ MZG-+EE1=K9<%I2W+BMYXD6S-Z

JL8 ;BS&Y&KA+_?P!!A6N:?A/M"]<_[? MY@"[UE?HJH/3!0734L"=DE;/:-3:+DRKKEA_A4/^:,3W93Y;,_ZP#C7]>QOG M%2]@[\XX7N\:]_]%-.<:(B9[&5)&]!G]_:K$F30-

*UH)*Q\?">/X\6A]!YN M5_#,\ND1WJ/H6H[*+!\7;DP%,U@7B<7;I/&E"4V!%3]XH"S- R?IO?V MA!Q(R^$)V"VY(!V9#?'$WS2RDFP\QK&]FL@K)2(;G#6[!@>^>'CV-U@8CWI-*

%JID#W=^Y/#SDFCK8?; MWVO&]!R&ZU_#F]3H9H7..&(Z2YE]D!P1V7FP,R61BG%6=\H7U=3&LU[$P(#<%J9!9R08$A\(//WQB?G4,_48?H4_,49 M-*8$1,"""OQ_U!*

*SK#8FN"X)ECN?,K]=7WJ18VA]$FT?GY1U,'A-MWXN*RK(2;Z,,]=_../S"NHP;MO7^_>6N4-;2UTT6]J+WW&UT[WS/G1*-7]VSLER,QFV: M#V*K_JFX&]_,]WZ/%'X2@!<;?K;*

*[CHF&Z,\QO0YK/%[!_XD185T0D5V, M4/C>DOO%YSN:B+&:-8P"P&0V+U]%3NS-*A(=M= M(PY\P=?(O"[!:T22P+4NF0O2!=L87'L2F_%[UM'0)]'G:9UB/2"A-]NOBA!M"?]FI>(I/$1*

<%G_-]<%H9K\&0FU87V<^4[\L63!GME>8=IE;.,[O-FTQHW1@VL0?[@3!B"K8X!V?S38_D[\'I$P8+R]\!!1BV \\<^@_G7H.%0=<'WTY69]D M_^4=!4+]=TFV=1N_=%*

*(>#X+0]!NE'Y1%'8%MCU2HDZ|&%+G6:-E*O9\,< (-M% 2"%#NX<7F+-R(6Z](K=+_2;R(_HLF2 MKHNPPNHV6W;SV<3_KZ)\Q 6*Y$€6X?F>%4:1;(N!A&E<9(%Z1SQ5U_IZJZT*

M3+M0ES)T H 4D4V,V%112% - =CZ[H),E$FD%BA(2./53 @RFL_$ .A-2#% M#0[!"K8@L0/59:(;UJA#"N@@"M8UH3-$YL(2<,'9"^7XI WV,P27"S6*VOTQA MM8SP8=CTA A9CX3?*

\X,Z&]I)?F$*Q=E9<5I21[S]8;_7^H8""GQ0\2NGU"4 M$?9N_A+V4LO&%5I^E_ 9BB?K(H_=ZL_>YT'SX%3RFO M 3Z?Y\%^*#7-D.H2Q(W=]\[!PZ ?L2S\'SA%E"?Q[VMB5K!L>IO D

*M,?">]*6DZ$0FXVVKLWY@,JR0%E9%4 ?P6.?,.5R?RNI *9(,LDWH[@RD)8 MQ/.EHLDN2V#2^F&)A@@7.XZA03X>[7B] 391AI],/"0Q7K#234VI=E$!#X0: 2C[M!/0OX1>R4P <*

*M010.CO -A2?I6S%j:HO^2)9^]#O@S!X)4+XU^]7R74IR7!/YF&>!U9^T&NUB M8*K9.%8?3%/3[62?<6I.[,3\U.\2O9+0N4+HD-[CIXS6Y.E##6? >6*/1V:N M*?*

*97/H(<,=63_D1D">C6C\%)]F:D260(I(\ZOP@'SD"*M!"|BOVC F9;CG%7 MY-#T1-\/^0FBWBR023VQ&&2!9'F2(UZ]N=PA-71>4E"K3@HZ/]V3@F]V4VX@ MH5WJ M)>?V:?*

#/W5AN@QP]424+|0C @UZ.]2(.45O MY'P7];RW7/Z39)D(_9UL&>0_3U2$T0W+^]E(\ZBAA>6TM+OZ*@7C1!E&2Q MS&$@W*M.IS8B=C$3RB] *X$M_IWY@VD0M:+,@;_"M"*

I)^@E^2FV\.]!N8^8.Q(?5"E[S[GH_)'RK5($],JY=1 8S_*\$)07S0#O.1/RVXNK5RKT=G'UI_4Q:B#PCX^:Yl:EKHNN2%GY"3/O2^TO M./P:C7W7.FF>>@0-

*QDUC!G+HQL0'G*M,?:+-2)"L$\ ME<($NP]3/GO Q[!3'WT#@RCRR.6BJP'@:>WC(#^(XT?C=/,8R!?+T-&VLD0Q MXE'DL5LC%FD<*0.>'?88)\ZIC3!& P)Q**L?!4%T@^C:*

MQV>35(5H\496>]["?2I8?(?T5\>;2JGQ5!1=XUZAM7/@KX?!*SQV%(SO2C MA!\$;I3[AFG_?'=0F^IK+3;!?SUH'H:'-.<=.YAKJ^2^6%,WT!}\N'N]A>E(@__M;?*

*f\0KX(^TH$SCB!G:E_'//GOV\A[KV?G)Z7E^.;27UUEKYG)IRBBH=*:68V$OA).T*M3%A*A2#*^7OSTWLIZD(8:-)BB&A02QD MT,W!1#%Q)+#MD?GYX4"$(L: "J6*R5QBSFWC$%CL(*

*JY:AM>*4!%3&'&R,XX MB]VADPCV324-ZRWF&&OO,AG)832[(3OW7&&<:FJ9/""E&'9CKX3"3*O<-YL7 MIBK\[<1M) ,,7.PD$4FBXV&$WE-OI*W)=C2YIWEWO%W;CT!O*?D8 M*

*0&\$^5,$ (*2"STTP>5_*T=#"(C@D80>_G]X0[!9C*(::CE$;SX(&/QV0!P^2!'PLC$ D'V!+&:0)K9/H=T>UE*/_+#<<9> M9WZOD+V8*

*B";&%U5T:A'*5E1EHXSYBE$:+?!?!'0ON/@8%$R!5DB9,I=-,2R' ^TXZ'7+E(=R$1'1WU04 EZXFI M%B85++VU8%YY*WZ5N6 AOCG=3M<6T9QJN(O,Y"($[0/:'@1Y Z#ZL'L7%Q@TZ*

*M1#&]RU3]C!#@<<,K*YV,A:KEP,2#0_GOB_3DJ73A>Y'@-MV)1<%N^144E5J.0IYV(2X6W!/_"0GNCGO?/$##S\OPEHI4#)5HP P,2QAY^FZ M1C*'@2BVS@EV_=C-*

*1LA^717)AYW]+5Q#F(C0@Z]4O%\5?5' ++;HA@" 9Q2+-MXI"N;4S%[@HDF"LTL9*AR@?(PQIVV0%THST9<&1A@1=T?-*TK=\R!]<5CZ:M MWMH9_9\:P$0!-*

*WE]1X5;0W)5SB:)B:$5R4_?*_8=P6P0XL53[$>)1U.:,'0M MBBR9M!P;*_6'] VY+1^-+\'+2?-N8L#O6S*AB3K0J9UL5M$]NA,"I78H1?R!X2N:.]S]%NAF.Q!2=R*

*MJ,@%)L&PE@448/PX/M+T=" _2=$VR/K)910RJV;0&L]7%*^I"^*?.$9*DA M!GV-\^0]5S"L'X53:6]*O);62WR6)<6L,$OUF:KF^<95L8G M$XGOI"E$=%?S4=?*

&.#8@(Z>5%#%XA[CHO!SN=IW#?7Q6YW#7\GUVPX6<.O8# M21'#0R7?;.^%%!VM3AI<=D96248Y(\(*"3@],T MB3SE3M;]L+3U6%FBIS,/3H8 &:WJA4LfU&G#VBS41Nj4"IJP-*

Ns1E%PY]R_ M/=M5V@5>YOY>Z!#8TEIWRI/;H;'KUS3(f\A9C150I,E3XG? M<.OEQ%93XfiI48]ZF$(HI5=!HI[@78X4O7'DL_E->HG6T;3M&/504TNFT^KR-MTD?

IV!=DE7C4/EGR/W!MS_TQV.TPY!UH$XE>\?);'NU^!#E2C8*X"0A*]OH B.OEQ*L87HNK,,*(F!=DZQT2;1^S3?E M2:R83DBMQK[QJMS4'_U#(P$TI;&M8E/O;9#!1_A?

*^=53]MT0#155P&7#A: & M"H8\F$CZ%3-RHE]+K1G#*O/UW_%H!B*X0=XK1-51HQ_%V=L+_2*_B- M :Z,*>I&A<:K[_$$#=FTBJTH6<@#7#;UTTQ*3"SRB0=.*)D1<#"YINQZ9>3S*

*MLF>"[[%A76'YC"]-FOIQ68FZ49N%/M&6LBJ&=NO[0H;!&K+!&P,95'R"]M>H1!1,Q-ATWV+'!M6QJOE*W-RMWX)#0S^TI%+(,JK)UB0+QN*

*M>3LWJ6C&'J.M^2/R8*G=D]]+O73J]-2O6Q7EL?>##!.PV%6)V$T;9/GEC/#T M\#"\U@=1"U{3G4Z@:]09[/$^-9&.L/V%0@76VV>S9-^QOVC=$M=*5_E&'?5*

*MQ!D,=Z#2'ON|S+5ML1.S=L2*C[^5*A>O66_*^ (/P+4$=XB^4-0%VSS2;TP0 MH/(@7^>:DJ0Z%*/[#%<%8I) ^,\TIUB#POSH_ZD[K:RFBECD0TOU FKE9\C1 M*C-*

6Q.85[D>DGNE>#5.&.KTN&E,YK4IOC3_!7;,.V%RAKF(L=5\)D\!-.//(+5+8$*3TDPG7L3A &!&8H2-0>))H2A7>;")UV45>NLZ8:-,FZ*-[-G< M>FT -NU+W"*

52"/_!7XLH>P$2907*+)-FE>FPLN,|_5$/H^1N*IN!B[F@AS M;E@0)7+#""F3%.WC7-(KL<9A<"E=M*P1#!,R M;ME^_;<39#(2IH++)D!Y_ROIG @%BE `)[%1C1XE2Y0=0F*

1#3.0$;=;N6K ML))>2F(^AVRQ7*CA,V3T7-RBJ)Z!RS/IH4 F!9YR%?K34;_@P;G/)X3+4KZ'"%AHQYG3'UP.**;/C/"\3C*!D/2RZ3E"':BX..D ME.X!"U,3CC=.',+=YL,:L+++4? #7-*

*0.5U)K)tFRB6/"$GAQYT+T0:T;A),.(=CAZ0"M'D.O21W06.SD5 VI=-A7MV+ M*C^"|L:IE(TS492N2LYA0Y4JV*E-"#6+!2L2AR*6B#+EOT%N2R;J5M2994"*

*MVT3,.EV^4AD6QY8@ZH7TTQM!B5^AQWQ';E#Z.)!0N?6Y 3);MB64#O<"DRJP MUY"?Q=@;H+-^;TW**U4)3OGLND<{?34T]2P6Y,BMT:\1-N(Q3'<|=^RS:'X MX6":":N W,\R0Z;;1-*

F%P5@62 XP8A67^U5]X9.-X=59(--76%,@\2P7A3>1 MXL<=PI7C &W(?@9@^1Y&-Z!:#(BO21L2 $"VJ3Y.H74C0M@Q86R>[_1N.+5% MYE,]&4NR/ &,<3

YDM)'C#5GU9,9 UEIYYF9'I,)43ZR1]D]-G0".4U7S^31 M>3'3.)60,\#H:'#M)VH0D,G\=HC:Y%5@=.H,C./S.@-C?^205"TH$\$%VUKP M0(/<6@5E3R38^I[=F;@F6]72;+]MB"T?

T>. 1YB(B"V[2NV9(M-EY5&0@Y-I>4'Q&K^-MOM/|@^]HD^ !4O^|42'C7'KA\^5G+]NIZGI=$S #PG$QA89W M&T>ZV#&>=+MZ^ZKO=+Nf[2|SR-Q&

<,ZG,L/=$/FU8W##1-YNDN2:>=E+'Y] MP (9^T'W@1S/@A:?6;>&!AH8AA:U%)1)N1X\[.3MX_#(BA;.O1@JL@s$P@TLD-MR"8H^Z6,6>PVJ:S>YQA-:M3UTG"SR9'NX+3 8.

*M;$8H3E,&?9Y:Q@4SCHY2UP6ML\1[V3TP>\DZ(1T=;=R-S6"6,@!9NBH?6X7G M0;E*\%/5(B[EKO1$?#K7W4,_H9R^0M0O?F3F2SD4J(+YB*M_9[&?>+Z;6X:4 M%./G/@=*

<9SY0R2..QCZZ7319PY9B7^^ G]"P^20Z(GOP#4&8N G[!FB+OVE;#. ^L_!3 MJ]:C!;E.?^;:[^5R1*=[L^(*NW65X7@]W0MI[Y(%M-5<@R.*W|CR2@^OF=1A*

*MQ;7P9@X6YK[+LI,S^_RLFPIY.D3& I73V^9UJ[7XU265I#IZ4$J)1.,LU3TZ;A([_YZ^;ECO> $-_M%UFS,L+>S/0VD NH9! D.32(?B;T9O'=OC)1%LF6ED"%E/H6JS*E76(1H:? MN(*

*WE(-6P)2)61N>;.<.^|2YL6 *U/5&):)=.S+DU.N6)SIXO["*JF4EWW" M5[/8\N*P1-YQ_CAP4_.7,RY#U:Z.I>ETI-(0W[$X*MJMO-)L!VT+(^.!&DU& MQB.IN1,C0&AL:*

<9$XVF^OR*=4F; DI_4-Z;0+7!E^)^;T.7);G?!D+(N*PO M*PE1A8BXY)O+&ONY%]9&Y1?EF';N.GD/6O)B'5YV,& ?I_ZH YB':SI$G@DV= M9+E=Y8U[R8;#-

RYO!=5">K5]NW!H10A%I0Q_&N9M_). %Y>BY"W M,1JI.Y@W@AOBVP978BKPW5O:HUE<6AWX$RY\VK=U]?7Z $DP.5^0/)*

*M"^1G'T$HR>R=9J;A^RBAYAJ]2)BJW"*572'D=&B5"5IH;8.\2SO7QF#&D(=P MG,4@K%2V:EX"-UW.1Y$?2F"-I '9E[^A5FE\NIEC*YM6C]E6DI>L' @5[T%% M$DDMH 5T?09&?*

*\Fl;4l;28"\+DYI*F1E$ MR3,:5>\B9@Y#K)24$,:G[6!CWLH.L>9#&-G8E0S4RWX,'I<*N/B6%4\46 M@49O!).02X3B#I-NL$DEJ45VE495*3/ZLUIY6"~ZM,*

*MQYZGZ!BM(65!1X+L&E,K/6XFIOUU9 A5Z2M3@I[9E26L<"38S%9Y MO9U@HJHU.1T=>RK*64ZH>*A3*U-+ABHP#PA5JJ+NTE!O9NTG3XL'*S1)357&*

MO(1"@@8HC0$KC>/8!UR!F]>-1\W&BR|\K#) _[$+|\&:NT0+"Z>0HZMET!U7=B MDR[),7D,4HS98)7AYCA5_2)[K4"4S=

M(W98&3UC]$+6D5E/;3Z,3F3L4QXh+*:*#>^SC*\'QX*0^C2M!W2'+9E;VMG M8U\+P\2HGH^4XQN9?9@$)0Z!8A_=7#_@>80|(H" !M+SN$RQNE^^-/|\I?> M1V5+_$+K?-4?

7ZT_W?2=%:"#6YO#|^\D#MT(Y-'X8>#-=KL_F"O<2QK1EREL M)>^1T-,Z6VMSV$D?SQ#V$LK]P$_G=?TO W8I9$N.N RPEWW=G2ZR??, MOI;=RJ:WN_=H_G&:_]98_FBP7$_=6%

[&W LK:8WG%]87H/=A5@@=@]+X@?.5 MR0_VYQ?HS2 AX^3I=I!G>U/DB9K/ME+)WD"X4T-XG1!^(NV_&LHU!]AQ"->< M8F]YQ<+:$)CO<.I!'&6AAR9\%#^WXD'OL-T!MMN=,*

JO=[3Z=59@<]B.FHT6 MCYM3!T"|!X?0R8_G3:H[QJ%Z"|GR'Z53IA2B$YXV3UDHV5*Y#[B \SL[W 1ZW+[4X4)]-]MF&-K4[B-(^;U2H!CN&*

*M*2L#R8!FC6RH)=P6@JR24_P#;C=)7\[5{R]-O03\5:A.CI=E!7!-J*$;8"9!;5 MSN:A;2GW:ITNN&;)M:VJ=/M=X5;6K!'RN,,3:Z)PNN_'03H&HUVNVMN[|6 MXZ2YM???*9?*

*6:^$!H];19R=%F\Z%OJ@,RB>;N/ZCK4-(!.#6(N3"6]L(0]GG-MRZO0G+;A\A;>VHYI*G\|#5@8&4;Z\0NE'FWFXIOEVN'#8F-S8PK3TMC8W"K= M!&3MQM2 9,C)|HJ"A76Y+=1-*

*%F0L[ZES>43EWMU@M3,JR2=C;M2#*23;*-!;&].2EK=M%MW:AA22K;R_S7&XI>lO MX:WMKD+R5G6@_R&;^1@#1C;&65J-D^T3N5N/L]FR836]J M4SQXV?L[OV/]*

*|8BF4HHB7+8*EU2Z5L>+*3 N3 11SJOL66_=>]W:/O)]+/VO;\QO@]N$=:.MT*. YEGCO-Q.V5=HKF]lK9^W5HV?<_:\+6!=*Y*V6U6!PWW%TO6"L/HU$2-*

M4IBV&^URHWPE1+\CQCM7,.1MO6?ZANQ5?&F9(,/YN LO+6-!!FV+@T#.TO$IY7ZG^7]@L]S& M/JOV!]__'5MBM^XJE:P5GJU,'58OE=KEJ4/W!:E69)Y1L]-MZG&KH+HS#;NY

*M/WIAE,A[ZK^R^K;H"C;K;_]+4[3GM!{'QN#+-1XO'6>Q=.-Q7,EQTVQI*D9O M(IM93S?\IA;>7.22T7?Y4#!L1VSTH[Q+_-8CLH.V*

*UKYJKOTC@DXJ.SUSWO\S;G0NFSK7#9VWLZ%S"3>ZQ=&{7PUN MZSI."[!N_SK0H@=1_G,]@\TC[.=:U-72M0 MUPJL_=[J6H&Z5F 1U*E:l'.IT;L+AQH5ZEJ!NE9@\{4" MK'U-=5TS-!]9[<7;$X>!!:RQD<"V@G6|U0+G52;0OF+I>JL%3A]\|<7ZJP5: M[:I18EM7+E!(S_VOHR/KK2\"!GUV1F(%_#[?S+L_OO?M31U@X&:XL_%E\9[/DG5PK8)O5G?*%]74R MAK-*>Q$X/,ZH^.B/!D/@8X>F[+?.I9^HQ__H!^.IS 9)BX7X4PVC M@NN28+GS*?/;-3^2=G'@)/1S>[IW4GMZ'1ZHM/:#'!^.7 ^;O90ICP&=2EF8I'A*

MKGVN0;%6^MY_94Z8^JF3^M=-,HE_<02/\91{JMRK&LG]D4ZP?S+$0.>JEIH@$,, M5P K&FE+!I%,?X2/4""WR<5-;4^&$_H+H0K#VQ;D00X'}I*

*M37PUKN5<.WZ@*DY@P3Y8MQB>),IBZND^=/{CQ)XE<.N\:C(6KM_W75G/0LLU M:A19&8_P7[Y35_D%KI+(!PA&5OC+$9.@95L M1.\5I5[VI7;A>+"2E86(/K'OH@^(MM)S*

JK"@S6<\3B.?O@C6#^86$^:C;8U MXAQP&\OPL$0M0R@ZJA(/_B"Z=Z[AG\ #7#2*\$@W0I^%"T\:"*N 69-ZX:4PRK8>7L5Y@=#36T'#"]GK!PM{'O!+!C@WD6EB!. MI%*

*J9SU(L401VYZ?TL!CGN=\QR(}*_!'6"!A>:*7RKI'L/Y@6V3IK+;'O(6B.5'ONH: #16T%T]H*O1!9QJ@61[UL@L^1'4O=H?#4*$(2]:Y!.04C*

M(]P7MFG.9K*?,K/"!3,.P>CE#K&]NDPUFLG|$%%N?X^CD$VVST-0TL=C+", MG02IYC*Y14+VP\R]$PH6R.6 ?$.X&; +WBW(*1)M[D1FE/A=A,7U"8;/V4] M)>0+0)H.?AA*

&'C+&Z=U<^L2 MGHDC*6H^QY$K/+R/FI.M[A+|EV_ HLETMXG<>50-??^10'^GS-9/P"SA,=*[MT/P$5NNG0^+28P=3$?RQ8[)5\DCX(^MRZ(L^Z K"S4@+_-3O@\(66X>YH@JJ*

M7@1Z8WQ-=F,RI>A;W6)&/QI4(1@I*>(4Y@?=1<\00XH2<2Y+[D&U,=8M3V MO!+71,+QQH+K4,'}2U8>BQEOV2!2!@!&AWGJ-4)%$_ID5;7:bEWH#*&&]xJM

M&UVXZ5/RI(@9HP4!&CWQ)Z;*(*542N0IZ0)0\\>0Q& M4V^$1E#Y&5#QPRY ,9A'-F\[2?"?23;"AD7_P7^SPHGBXOU)(Z_*EU*N(<3=1 MGET&*GY[|>82(=XZ?0'O0"#30G@^4"%?*

*WTYTLBL2OQ$C"^1VD;9GU4/;!%C' M=;-1%A!G8HUR-,I"WW6D9PJ?D6_3@#*Y)NZXQ_> (ADB9P7S77-0/KSZ/,_M%3%[!/*!C<(%):AWRWY:Y* '2 9.C Y[5L]) +YGZ*BKPV#2*

[A@8LP>7FY7Z M'HN!$J,N-!QS)ROUU=5L^(-& R+/=OPT2QW&"%#<\$^%H<\$^ QA+NCH(VF MB%SX(1F[L%/9X %[2-PPFD]12!VTG 3N4GM\79*JUS)\Y,=6U/N;Y:MD> 55 MP*

H%9(=PUB[!^9-Z ?H#DIE4 9D4)#ZZ@'XKKOJ!+, SP;^F\,UAY MB4]=OTPPMBPV[L]Y"G'N MBM5SD,%&S%-%P0I84 >[I^)DFUCJ M8V8M"ROM%+T1SG=4&=D$QTU1@""DD*

*IMR<*W&%R610.@,3DA'-F34&VM9&%[M(^HP|O1#P>D1OU ;9V7P9T'PWP@9JM'Z-?D!) JVZQRH6CRM5SQ|C%*T*)+4"5563%+* MK@TQ84_I.;9ROF:>,I/@XE-(3/0*

M%#4(X&MT:$MY933VC1*2S2_5?C>/\[.1H9(7^@%VF.7>L;F)*. ,+N\,.@-Q-C M04'N(PKK8__]WPC_Z,OM3(,>76M2$#0ZE4!,?*7)TO!P[(H)UOV@>6'8HC:<@:*

*ML(FV,@I*F1L:]8<\@,INFLM+;)G*2$P1#6AX MA8X+N^F%%QD;,^WQWJ6%.W-MZUNU'BPY-/I>S^F/?5M+!)G2?$VF%=U-F@VL>#QX]K+JJf+2AM7=PJ&_<$_<-M-3*

>*YYC2N)@LX5Q^E0I7D6H6 M*EI!ZG;_R7QEUV:)H)B9(?,*4H_IU8VRP .[*$-P96FU5>9Y8Y<);]NML5=R MK(Y.^<7DO-",&5,EU*+&S\B9D+-;XA*A!&$0.TK\Q+A3ZR)((O(^_RU,-

*H(|*7']H MGX"'/%^>G5PQ3BJ$808X-@5_'(W&8*)&>4*6F#*%/HD(B |ZB9GIV5%U2!IZV MS[.YY9+@2$15:5%+1:AN"R)EB8[FQCZO0PO+ \|:@IZ2B|!RF^(V %E-&O"OT ME*

'AJ<^Q0,G--46_/%7G#1V RA'3R68>F =7GZZ^O04$7O:WW6$'PPHLFV]-MC9V1P&(IZ[#=;'6>[K@[\54>.$6/#%VIUN9F@ZGLX5"78#^4R[K$7;TXKMVH

*M=\(=:;P%^XPT\3(W_E0P>L<18H65!;/0*LMTE$[&=N^H7976R,Y"? X$1^A. M2-Q0*E4/;Q,D;NKO*85>51TO@A(VUQ0I <8%"XZT"'*>"'L:,4TF/YPIK@OY M>-*

JG[H0A3AR,)9B":I=:,2G[(*)/XW MV(5@ZD!5H.-->.W'48CW4VZ!KS2Y5C"XN>Q6$:C(P0TVDL>UNU()!93' M^CT,24F'OC3#=,-/ZPD .,.YML5{36AGN}&E8{(.%:[LHV1 2HY"HDZ=!31_*

MW],-$4I_HCY$?] U[-#,L/),EF(Z)YUQ%(5^RAH-99R@ZFZ(:V9@P':J:FJ MD2J15@WKTS76.P=4P*1#G&1]!@"*8QU7FF6@5:$-F=&DWZ=|/G7.3,*9=WEB*

M;IE@EC^N>=K>%JN.UUI"76).5%T@3ILRQ4Q25V,M+H-?O-E#,RH$^$L:R,A MCBG8\^+#J#?;UM| O$CF ML&RL|)OG(;-B D2NV!E[$XZ$^0I;.P6 N/-^"MY ($M(;%W8!"O*

*,C7|R+W(Q&2:O\D,)DX4)282*8"2JM,$/VJG^R0\QE M7B[?:9W+U^W4N7PUYRT5>^^^*HE6%]BN<,/3R3U%F47B 2#/+;RXET\@U5G!;YR=Y9+';FZH;L_NM*2|1N34_T>QE&* M-*

AJ@:"4PYT2HLE9'4;1B&RK+ A@%8<2|5"Q(0-)HAKBJ,>Q#E@$#8)'ZA M(A,+C%#[*MXQKDQ!C1&VQM"~2NQDA1*9*#)25Q &.S@+X 9L5NMK9Z7QG(AU9 M.(++A),*BSAO.:%*

(U53]T-CVHRRA=)Y D,^X- !J36<_%\Q"$_H 7 IP3KER MB[;AU/X8UOG7ILF]4&:R3$E2"W&8ZI]' MR39T7<_9R8R<^^#E%T N3QH1Zp,GU,=\++#K#3L4?

WT98,JPL4>6^1WO]LC-C]X]P8DE.0J M?I^+P;&X?,BIERPNIEV(FPPR<284VY:E25#325)+,VFY?*>9O*!Y@W)E3M/Z M2+ D3VG3^SD_.3U??D-K9L._^]I7[614FZW4@50X(Z:?*

[V%T0WXB3K,"G_Z# MO9_))?_NJZVZ>9+B3**N1:MFK:6GY:;T@XZ"[8]+9O M(&.4\:MEF3A@ER>3!,29:CY7)E%[,JK)Z'&2D01.SL8WL3BM&'KOCZ0OPO+ ^\|@/Z2B|!RF^(V %E-&O"OT ME*

*/5H7(WP+.89"P)-_D.FB"]1Y15=!,"-EF38DV*CXP4O\;R M;K5("29T,Q_'BI;.*W$.?5%)*M+);$=7$Y]Y7Z;RIJ:NFKD=&?>^X>[$BHG[_ML=*)K%|V!%;#"5GIF8I$D|ML7TN4:],*YFQL?*

*0P),L"Q M@B,98O(I99G 1]4'3/|/ 1MB#!=,USM26 *8>HJOQW9NY/<'#]RF>Y#[GSQY MJH& ^'!{4 #@(U7@36[Y;,QT]*J2$VC9]A/Y]G5"&>_^D_?&TNUG.QL43E/C-*

!SW$6)SBS"M]\Q9F&C%*S6/E!+QRXIX#2QY]^A&("?62 M@F.:S6:[8;WKRZ@,7PUV?ZGN%<.E8'D$IR]Z(!=:V"):6EH'@x%?

*X^S<>I2/QHYON*K<(=A%$0#M%$NGEWA2_[(@@G#'$-* M%,3'D!%6C<@,2MP>:F(CFIC'!7!:%HW,_JUFJOO<0"%JGE#/=*V6JD):@3[%%3&.X =L5T1=32WJ1,+9,E7!XR7JPRB,*C*

M0<38/AM.U 5]]E2&!^=3&:6|RX5)L9B+"Z>P4;!?J.P]M-$L)(BA;SU@IM(M&8W0^T^?FHG&_W ?,HLUPTK$)5V3%#MC"IL:]\9U8K%1TC^Q O\[<@JC.D(_

M8"_;EE7!S)SRH4$OU-M[IVTF#!]_?W-

%^O=Q[>?OGRX^/KNT\=:>UW?)72\Z):#>N]& !7(<-!H)A/ MZFG7*[4>4 3VXVC$4T:P*A'_:S1(P=!7.//;1#1Q_!&L%SDV2^85,U(#NB*NE M1G[H)VE,OBY6G?G:X$6^5-*

*Y94\,N0MCIBR>PH6:>3\B|PKXKK*MCFX7]-YLO M0'>,'UY' ;QXZ ^&P83|KH@?H),E.&].SX4QC@?_Q"1=2I3.0EF,E>KI<]-^ M)\|9 >^%+U'#@_^,!2@E /,0E,]1%(H43Y4XH6I2$U-*

_3M%O6+1'-V!HQ5QR M&I'11L-\4<|%BX>TE)G31L5CZD/DC2.HB1FJ/C[\IKW.E+FJ.R>HT6]M:> MFM2+7ZJ)VI>M4R8++#:8;"M'3,$WT-:XTO#4#GQ$6'>N.) .AA&.31$'#L

*MMU'O=^M0VF#\4VEX/;4+#F!",V-MBN\G9]N9]R$B[>B/H">R-Q90O9 M^/F!VETZ40LU]UCD76WH8-1&+"9++*X3BGC P9NW;ZYL->LZ;S1FR;D'*^+ M, #0DU93BU_*

[@9SUPBV(:A82#AO8R?\W1]B(++1]0&8@FW]!O:=G%DT78A M&: &2C3N2AV=GRM\ TX9.GK()0]U$V:;O"JD `3(M' [@U/PE,C[DTUK8FEU-M\1 E-

$4S,35,',ZO.M@&Q9AWSK)+=8BNG(1@ZI_P!"- 2XU%XF%S(T3> 0,?BQK M'?K.-: WO%D!1+*^$?]_9D>JST!MOH1S$HTKZW66=D^<5R&1T.1&5W4S?\:*

MX@8>^B(&7!ES&67L,.]1"$6-0+<'MM8S]"?@XS2LBV3K-3BR9+[5=4+R[^5M M90%%/%_VDHVRU-7BTD&V?<28'GN%/33);83YJ-CL8BFCX-YTQL!,O/LU/K=>+T,OS9M5S$\SK

*M!D*JZ=X$-*Q4EH_/.H%:QTH"--RMFR:P$(T.HP!U"TFV"I^HO2GV$1H1ZXFP M|'RL6A-?3O7LZ47+]Z*75[/|,^NU"!K69A-8H -K,#Z!W&8<,-9+W-!U.ED,2-()+6:A\"R(RQV5$U?*

M64&5P^%DL5,H>[$0S\#=CT!XP=UH'J).AX5:HA=G\$893E72ZH+VD_/_8Y-% ME=]\<50TG#N@\CY"'}^9URMI1,PX-LZCGR,4>U82'D)NBS(WUU]MC+^L,) M\Q.TSWFG

*(,XR@9#0]AK8K<*2DWW]],I7CS.4C8V8*.8^NO^5@B^:,FKS'@ M4GVBT AW1-#)^AS?)O>!1B-_%CD+/R2"E#B^2,'0D^>&"T6PI,9+&$H9B'R M-KB"&-02-91#M&A-(_.[*

*<6GV18;K<;,;A+H#C4F%SL+|0HH!$Y]|NH7.2$YA M0F] 0Z55G!E'J#?D\=*5F7=^1X MRCMRT;#,M)#:,[+:5#%=Z:S,& 8XF+6V>>]-56P[/37&EEH15F#+N+TF9FSB MI?*

*7YTLQ.QY0QC95\W X2]#VD6GJ*33BRI,%AKMM& $0WH:VLSC4JZ(?B3'PW+&58.=/3D,=6*^L9"PR#TR1K6Y,DVL4"6'X*-.*[HM2+0^!MPM M,N"VR7&ME;[WSS &92-*

*A[>W*D@G90)0"5 53E>O-)QICTD==B8(4; M_AB%CZ4%]^:>5F9,B-74;?*37HN^@M_W;4C+^Q%B9Y(Y M;51C|0DVI>Z W/,-5V&=M*LR]"Z)W49V@-AYBY-*

@F@W=17:U;O? M/EY_)+/FZNZ_FQE& X\U38<.\#ZL1S4I0=TZ0Y7A0E\'7KO"/[@G*'K-B1 M/2F]##O^.UE"/:3]1,X$DFW>L+<>-ZO$8C?9]U,V%Z=F=_(-!D]W:IM)Z3*

*MI<,HAMUL.U2.O/55;,?;A2/?\P*Q2D"!30/_?BU$H#E5N]O\>0O\|W(SQS^0%T]?39[/V]IM=8Y$MWZR MYKT_2YY9OV'GYM]I3,_]T>\A$IUW9DNK][75M[E/MTF.27]D70Y]T9_-C]Y7*

*M@[U5&^S=TT4,]BI[N/#"5*W^P_OQPGKWFO[Q5_/LU5]"Q;\2>HX>$W_\Y^.W M_YU._L]_O$G__R AJG4VQI7H Z4(4[%7"GQAYJ0+,W.>?O^KK5Q9\GCFD O7 M*LA :Q".P)IRQ'*

$ID(_A1"EKUKHK7RP: 1?&)- C$LY7,R&\0R%@'!07\3G MKP!;+/)UJZ)00G)Z.D,)#5[!5-2]2!"9M0]P^2#UTV\7?DV!>ZW;,VF:HF M^KRQ-0U6%\I,=*

*4'&GGW@T<9IYJ++#CM#_!=5X!AB_56:@UCB : 1^_5.WJ>A M $$2_FT0\IGB7P6Y1WGI$ZH/2DR3?H MJ_4G?3@<V]H103"D;WT;P9[*GQY&9S2Q1Q\%=.OZD":!%1\%,&D,W1"B)^;_#*

M3:=.1F+1X;8! H_QFQ:.O !PK!:7G\#Y2#Z\XG&ZY$=|FN]...((++>R[=K:4 M2 4O(@K7*KWO-\,$0XDU<"KY80:%.3,OQ$RCQDSY.?V:L1.L.UC[W^2FLR;I

MZ470W=0;+]$FPT+"_ 2_R6T$\>"]V !9S+AX8"%2"%\-RZ$]QF%4Z$?3U(MVJ4 U58W=LWGE9:?AG7Z^K/<;8%GA_$65%T@\$(EM>5321"7V-H$W[]"4IB(M#?

*EK&%QZ+42*1AED577RH*4"] MO^..P*19)NL>",L;?WK[0I$BM56B=L2>%N*1<>[*^AU_>0Q X\^'/ASQHRQC-M]L8)838R&>QU8W7%WKMS$TTT2<-+E563M*2):,^ 3!9&C>*

<K,0+|`)X4S_M|$ZY/ M()S>]SW(W@]%8"P9=M0-2>5);2(#[.*J;@S5)$'73)26&?!W33]|[?D"?K; M;5KT0)M$P^+YY2U0.NFTN"K0@KCQH50\!#5!&#?/|P^BG-_N)C&+,7Y)RU:*

M+$FI.?3DM_4\-X(Z R0]WJ(/:O=:0_Q.Y2.%!N)NV-*S\2C&N*CRS"K"]@DC MJ(_&_UC)!A_4%$>\-L1*JGBC:>H|&9_F3U420DNLP$-7"'L&ARO+8E9"!E2$XEK0\N+'F:| FWIND#0B*

M3K:TT31\A-%^-O3LL^B^]?Y#U?-_12"))=9G[/L.G_F(\87C29!OLO]!$|*T-MU/!'@!KTWIL-6LKL6/O,'99#$O+NGA[/'!F)W@;#\;^<^ MJGR=+\|f76(>F+Q/@U5)ER5ZGFKNJVG.12?

*6*C#U_1SK5K/5^4O#P(GT52G)-MR*!*(;>BC%I]0&D>W_QT'IFDJ:6(U7T[<=+H8)|;+J=N*&L?K"_8=;'@S;V M[UA8X0|<> 51<=L]?1*HOIPF\?*

>8;BWIXU7DVL)0K;RUC0%S.7&#&ESR7T_?^MA&U@;&O@0@5USWG3?Q)RHB.0"LP^MTF2AIID)!.66\180S=O4[Y)&Z1;,DL"Q M7<<6#DX))P? 54ZM)@30>#4-*

*]D.BA9I_H'45=L&T@N+SOCC^B7W6M_W?SM7CXZ'QN56?V$LY MC!\M:IH<@/F^K :G 9OZ#'ENB]!&OE$!YENR(-,Y#!S3<1'M"0MS0_DV#B9G M?;)N#L/)R*M72R@-*

K\O7#^XI+H4DN8NB@L[TM9]QG'O;)^7P[#WR4]=V7,> MLJ*Y$] X:B(\(D]E)LEM2H'>7TAYR%WV0"\CEV81SK62RP)1K$ @\>6^F][# 'C'93LV&J(TQH]Y'PN'.19AY7\$?0*

*M^:IG(OOGV[*U0)&T] -Q U';K(<U9<$E2I&B&UR%/>M]6^Z AQI<;!6B//=W U%T]]_L[?NL8A$;_9D11C'WP?{6Y_]_"X.]PBC"OE=VLB"]Q*

*MK7J/^H1&"2Q14B\^O&B\`'I]!94 >,AI@:P*Z M<_@PQ9#H6!W-^]6;:ZDMY")_,O$;6S$L.FJ7Y-CR[C6>?K!,('Q_9I;1)[,,:Q$+%.R*+V;N:G0Y<6P*LAO5(3!Q)C MZT.M5RWS7CY?*

*D\FFRSET=15A4&RJM">L:/1;BI+@1@3_'2*0/[M!G15\1)C+ MX[%LLM-F_/G'SEUO68FUT=$W'X7SZG5OG0KP?.)0UXKE|!%/!?" M\(P8HJ2M.HV8;5/*E0>6_8K 9CB"*

*<6H0LXNLR=^;%]F(0=2QN4BTE@T\!B8& MD:%'EEPUSYN1[*F>8R;#6=,8'QJD8H!>;RIF@\&8/11:H\L)WP"!(59&/!C) M#ET3>-Z/>+['2;IK2V*NK\-*

!U[UHM8P.FOP2\+WG5B&L6C(O1Z ;3>1KC_3'+1NX=RT+BOM#[@)+.06;[=< M/B<3V CMZ[-"7 M38"B-'AA/3Z85 PC4Y!!7&8]D]N^S&T;JF"'VT!/S8[-739V"DU8VA'3>A+_

*ME&F|O.XJ-_ OG;#++;3XM5#HEJ/%$AQ*I7UN8A.?'E; 0HJ7<,5$1',:NT=[1 MB>@5'\@$#*GQ_C.AN#BSPA^ZU^>.XLZ#G %]TY1)&@MOT.WX9;Z=DBZ+]R2<;*

MQ+N8R|W#':O;NN]03A;]-A/.$I7L1?(H++#H"0X2?BJ=P@Q6LP5^MA.*])NU MO=3@&?K\'9.!)JKTKXRRV>*Y4JM5WY9[DD-V$[A<0M#U)KUIBVQ1_,I5S,

*MI&_@H$ ^FJHXC0SF# _[_\WTXX]FKEMW1<6GZ-#U-FI+8ZNIXJ4KUXJ*S;BV9Y8 MQ!BAEF,F)<)7=3FNEY2(A>7"G8,DJU"ZJQ@:1R6K,]K5[G24/)"7~,%;*

MB77\XXQ|HIA,;BKI'6/<^]/!,"NTDW%DD[30/$N\T@&Z)YQ;^-ED(XLN>IW%_MAQ&_G(&4CI!^5"L)E[(M2HHD4F_>9>W(-RMAW:=81OA3$_L6\)4@#RD1NU,_M^%L

*EP'0WU+W_\L;^70$O_PP-]4DT=U?L<]NIX,OU%75]/+P0O+!)R1IRA] TBB1=F/(#LT=N73(. M6ZK"C@\P]Y5T?D2T"^CEDM%IV!\0;KWH$KKH+X&3:H2NYAND*DMP:OJT@@PV M?*

W\9#?R<7P'8{CBIE/>L\;'[V/9$<N3\Y=,E/[@.2D0EPSQD=DFS%T4@45X< MD5U)R@Z0S@< %6\,2<7.3^B3^1B;VO67G-_$W5!L5A;=+O6$1.%>X691.91U3Q UM?

*V!$G74^M%2?T-;0W_*Q]9/I$NPC0,C+74PM0 M.?AU5;<'3=JIY3C9M6P=FB/ECXNA/M3$,#;;64,'7*L/N?E- MC.,Y5XD-D:[:M;,X.9%V>/7#0UH@A%?K\0D3,%;WQF;T Q5]*

*WK9;/&/C&D& MRE[#+<%P*55NXMPG]=?>80SL8\B=P47JF1=45#@J12??\,I[TX-ZB%C(]" 06K M Z\;=M/"]O8'#++S3"STM.4|"#LE>9LZ?H<,_)1:UG&,'<3H!O;$S{JKX%!MB?]!1?*

ZD>D_(B22+IGW`_>1,$1[EX M_|\VQSC[U]02P,$% -@ <$6;6&.Z!E9SMT)B$?E'8'4F8"""24S++#@ M[FP?%5M.M,A2:MD)V5^_Y\K%X22=$,)'7@ ;$M7|TKGZ)XK){53[X^SP\V-

MVFFSWL!?1C\UK^6=-0]KI>POGI;RQ[6CB\87=NU].6M^W J-3O99I=Q+F"SH??9/.A,9#@]8Q... MU,7$]/89;(QOM$V2:M[)V5^_Y\K%X22=$,)'7@ ;$M7|TKGZ)XK){53[X^SP\V-

*M>],QNE!:OX$,DBXU+?!VP-HF#D1<|(U2O&WJGN23V)R&O<;SIWGN|T7|VR5W&;2[N@,RL%'>OROF"Q MZLQ &P)BVN>B9.F-'LQ,016A;_9"9DI;"/I8IYPN]JHTQ'8]13HP*I.QBA*

MI?V=@^E0\.MJN;5;=E667L:9#C_"O]4M5/5987+$\+< .!0$1#=]/-0(F@(PHS M:_D+,&J3@<2V5(SKH%R&SL MB"2QZ$B;O]4M<P<;j9^0TO"U-8MR-

*G[GG["O;'P1X+9EVX!F((#U#'_-6 [4_+=4>P.C;EJU2A1667%RM[MVR+SHK(79%?9I:0:2V<<(?N,=NXIZF10)E\6'BB<&2C$0!3G74*A\:FK,?DD M*3D9?4?-S\CQ^V)\5HJOB1!?*

*5D% >%2!SV'E ^7+D\ER_FWZ+>KA*EU[" O3 M@*;3+X_SID#2RN>I7;P+:9RV ?RD3+59-(8!1 +^M*Z#(-60CL[5)M.U216G-(JPG!,3X88>F0R<5[XKRVH(3(=^HO@*

MPJ1;F;C=EP'1CUNC.:5D;D%= MJHJ(DSP.1OP 8R5O2R63(!5AB)!)]H$T.Z?V&>0;!3)D=CF_'(,1$=D YL576V3)@]fL$@.Y^/6 M@BK*\/$5"-8>U:IN4Q'93,"? S+^2J{U)5&P?*

B1J9[B\CW,ZV\MK(_=D+IF6 MR&:D(HWOIS&A>4JRS;$-&9O@(KTY@RV+&6%74R@^F-Y^H$!L(6+$,ZM+.Y8DDX1=3KVZVWF59?;L;ZE#.5H+

^7NMU\Y&EUR)2\$2H_H[S3OO"_1^@; MU/UIZLB?Y(7.WLL\N"O@8(1X0N3)$(Y;9ITDWQ"M%E"I-XK!,?><12#B8GM M6%^Z&S

913))A/A&QFX;%AZ'DCXYXQL@YI(D)82,/Y223K:3\375,,)]MW>D MVGSV=^3+:L*]0_,"[!++#K_HY-$7PKP()>-XW.2@> W-MI .S>L@I05?)N7=AHR/[I=B5'VEDIZ]S4A(/T-&**

<49ZD(EY_8 3L@LF5P-R7&Z]"H-2A)\,8NWX!0!8N5X$[F5LSIE" M)L>]D[AO5%Z3)-_D(Y3G&,9& D&K42PB[BRAQ%[6AY#F M^Z)]/?+8\@,LIB2 ,X64")-*

Q"'OEWU9;=P'T^ZP!O16U19RM2?5[@57+U7?? MY.IZA7(^4 ^\AEWF]TK"_EIPUSIVL|%KHNT]\RQD_VLF.%/=O6 76W=N@*

*MS,WG7|F2+,&ICV4^T1*__-5]JQ(?;SMCN9'*__JKL|B1 F(&;P":YY@.AN_U23Y?]5/FQ2>.B M^X_+D^VMQD6[V<)/1C^-.J=[V3Y|[(=/?+]?/VZ<7K<^L;ONI\OV;SN)5NZ(*

M'=2&CG5%"I9=P6=Z[2K2KA187=@<1+#%;'[S6OK',.4EFJV01ZRV<{XO|[MS36=037@JY.3H6VWXLE\!T'7.R< _JIX=`C?YI4'$>,.M^SX+]TX/T=TEM9[5,55N11&A)&)$?*

^^6"=:Q>M+^,A]X;:W/A[LU1O[IR>/P+T+L'[G MUHED\N:>>>A_^NR_8DUS[H(D]5KM7+N+6AY M@9TO0KA,,)W]M;OW$S8!1A?(@)#AC WX.YH0T N]EBW>7K99F?MR\N[F^99*

*MY^KWWW9[. [ZIMEJ%=>O!CP6L1M0T=H/QZRG30RF&FDI^=*B0<5?.SZC:'1O M_Y>4{60BK24Y(S>XME<_%.H-7WNW]3VFCVA<1EP6YN/8>6\\!WOOC&6I$SW8 M.^ C8 9&*

L80XR07?&VCBF%3O7)\7BU3^83E@S'F&<8%V(D!+W1?8W666 ML5!|[:CHKT'KL5?MZLRIM=^$)< O@J@'&LKZJKZ.C/D*;<0!YN1'],>NU=Z*

*M+"'N0^4!4<8:FU7:82Q7C@O%N)JP3#F3 ;...TB)-Y%!..8UF&@++EG"(QE MF$Z%0S"AW), ""B*P%K.Q8 662_D]8.=S#5N\%Z-%V*^D!3-U1 4B8:(LQ6(*.MVT!S,.U@XX&*

(!LQF|&M6?PP&\D8(12]L!$ZTCI'3#1"E'4)$5N968.-#-%+' M"!C|@F&C-YE_(>747(?1O8$ RK&VHJ|ZN+EA %@B%'(LRY4@=DU=P+;$2J268SFR+2&&@+ZPS"OC=#,8CZ96YKC>

M%A9YDXM(4'+ >6@WE#O10CK45==5/Z\SYW0$43%MPXX]_[5^\,NQS5DIET4I M2|9)O!RUW[PQ-EAV~[:&5C:%]E>=@ J@'&LKZJKZ.C/D*;<0!YN1'],>NU=Z*

*K'0D+.6Z4VT$E&^,.JIF.LI\SFU M"DR;T2"KI8BY],]VK(@%-X)0B"""X^%6 HI8R2_I'CPHY M39-LXM-Z;0&M6*_>D %,?O&^A"7 MR<\ZS) -*

!%",M15U56_#0LF+LJ0G$>7E^>US@:4P8Q9=J"A&I)&(*5YPJQ6G ME)Y;C#4DK5,0X28NN!Q#C.](86;D+RRJ&^*<9[V/;.'R/2@Z$Q&"N;XY<.7 M'-HP,T,.]8+0U&$,.&WPBOU?*

*5!@N,3H@D]@2+&+BF3*A0B",4X,,6\OY_4Z M3(T-!%",M15U5;3,.:0]XC*C3'VV/PE) I$3(R1$NT#GGFHY+UB#A,N9]/WP MC RN1; B+AUL$-*

A[.G/;,.,E2R4^+0VTCV!\>].5]6B;@G8H?"B$\$[0].-@ M#O90SL0U&D,P,'<:ROJ]GB=6;\5:+1@ 4?3=P9X<9XDJT=M" MDLE5D$4"T!,A?VHBSV+AM+%3N<7?*

P';35#@'\)5%04|SXY/N6'1OI%=G5N! M.,BE1\|.:5^A" /P.1,(Q+-]IB)_VN9#N=.Y&218;FK^/VQI-F5^N(XT88%T M1H<6Z Q$) !Y)U<"ION*8^#WM*H/2JO?UWLUV1_J+D[@+>%M^*

S5)D#83N$>4)\|)3BBNE':S] MS"L:K*),4'IE4_82FRK_/YG$8+)703X%GZ.W:4M MHB4D;@KAL/;#4A4Q'.:'P0\1&[MP>SX&)OXG(&]"JK5@MOM3K_+ R9Q_/S CS^WD+RKA?DC=*

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*M+"'N0^4!4<8:FU7:82Q7C@O%N)JP3#F3 ;...TB)-Y%!..8UF&@++EG"(QE MF$Z%0S"AW), ""B*P%K.Q8 662_D]8.=S#5N\%Z-%V*^D!3-U1 4B8:(LQ6(*.MVT!S,.U@XX&*

(!LQF|&M6?PP&\D8(12]L!$ZTCI'3#1"E'4)$5N968.-#-%+' M"!C|@F&C-YE_(>747(?1O8$ RK&VHJ|ZN+EA %@B%'(LRY4@=DU=P+;$2J268SFR+2&&@+ZPS"OC=#,8CZ96YKC>

M%A9YDXM(4'+ >6@WE#O10CK45==5/Z\SYW0$43%MPXX]_[5^\,NQS5DIET4I M2|9)O!RUW[PQ-EAV~[:&5C:%]E>=@ J@'&LKZJKZ.C/D*;<0!YN1'],>NU=Z*

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!%",M15U56_#0LF+LJ0G$>7E^>US@:4P8Q9=J"A&I)&(*5YPJQ6G ME)Y;C#4DK5,0X28NN!Q#C.](86;D+RRJ&^*<9[V/;.'R/2@Z$Q&"N;XY<.7 M'-HP,T,.]8+0U&$,.&WPBOU?*

*5!@N,3H@D]@2+&+BF3*A0B",4X,,6\OY_4Z M3(T-!%",M15U5;3,.:0]XC*C3'VV/PE) I$3(R1$NT#GGFHY+UB#A,N9]/WP MC RN1; B+AUL$-*

A[.G/;,.,E2R4^+0VTCV!\>].5]6B;@G8H?"B$\$[0].-@ M#O90SL0U&D,P,'<:ROJ]GB=6;\5:+1@ 4?3=P9X<9XDJT=M" MDLE5D$4"T!,A?VHBSV+AM+%3N<7?*

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S5)D#83N$>4)\|)3BBNE':S] MS"L:K*),4'IE4_82FRK_/YG$8+)703X%GZ.W:4M MHB4D;@KAL/;#4A4Q'.:'P0\1&[MP>SX&)OXG(&]"JK5@MOM3K_+ R9Q_/S CS^WD+RKA?DC=*

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!%",M15U56_#0LF+LJ0G$>7E^>US@:4P8Q9=J"A&I)&(*5YPJQ6G ME)Y;C#4DK5,0X28NN!Q#C.](86;D+RRJ&^*<9[V/;.'R/2@Z$Q&"N;XY<.7 M'-HP,T,.]8+0U&$,.&WPBOU?*

*5!@N,3H@D]@2+&+BF3*A0B",4X,,6\OY_4Z M3(T-!%",M15U5;3,.:0]XC*C3'VV/PE) I$3(R1$NT#GGFHY+UB#A,N9]/WP MC RN1; B+AUL$-*

A[.G/;,.,E2R4^+0VTCV!\>].5]6B;@G8H?"B$\$[0].-@ M#O90SL0U&D,P,'<:ROJ]GB=6;\5:+1@ 4?3=P9X<9XDJT=M" MDLE5D$4"T!,A?VHBSV+AM+%3N<7?*

P';35#@'\)5%04|SXY/N6'1OI%=G5N! M.,BE1\|.:5^A" /P.1,(Q+-]IB)_VN9#N=.Y&218;FK^/VQI-F5^N(XT88%T M1H<6Z Q$) !Y)U<"ION*8^#WM*H/2JO?UWLUV1_J+D[@+>%M^*

S5)D#83N$>4)\|)3BBNE':S] MS"L:K*),4'IE4_82FRK_/YG$8+)703X%GZ.W:4M MHB4D;@KAL/;#4A4Q'.:'P0\1&[MP>SX&)OXG(&]"JK5@MOM3K_+ R9Q_/S CS^WD+RKA?DC=*

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*5!@N,3H@D]@2+&+BF3*A0B",4X,,6\OY_4Z M3(T-!%",M15U5

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MW7BK+5]RIQ<0YSLTT7H:!1V]#ZO42S[TVO/_[0U'@G-'_;<.4+&@'!{G**'>D#%"4N*=!5]S'7E#J_I4J6P0LM*M"K?]Q8O M6N7[V'\!4$L#!!0 (#1%FUE4\>OKK00 .T= 5 861V96YT=&5C M:%]E>#,R+3(N:'1MJ9E;;]I(%,??D?@.9Y$:)1+&AES4@HMDL-,@L4"QL]H^ M#O88S]:WV;,F]-/O&5\(25AM4D%N:AX"S.7, ^<^9^:[X'A4&)1S$; MC?FZ8!%Q'@5E&;GXQ-@TY378< MH]$QMT;GHZ%FC;:3EPK37I3-+N?FI3:QZC5K"NV/<-DR6\,6F.902(7V\;G2 M?%>"-;-->T_3IS#)TJ,2#-7U7&LOHU6N?E#.8GH-U88"IS0?;Q#"EZ=]CXQMH M0TO4=!3E-W9>]9A9EJ09"?%PX!%PCT)"KS*6T "7#*248X^$>\!"F&<^Q;U* MI/;)X>(((C=O;E([2QAG.*AQ8WLD7%+0;"ZJVY^.3YI 4B!HS*$.'(H.![YS ME44]==3?;*_*H_Y!DM<<->LU$CK",F=1F--!F!MZ),95#&?'XI?%N'#G8^7' M9<@X#F%RPM&58>10,+PES4&*QGK"TE$3OI!D!11[!P!0H+=NN^M&$4Q"13!5\SAWNBJ?*A!XLH<6@BV9'ODSA% MAZIOC3RO5*WYKR2.13ZJ/]VW+?.\=EAI=4Y9N,=IM_2=N_Y#K&B;^%4%KK(}MZFFWGEG++IVW/%IX7!)BO=N_9B1!$ODKF-_8D0M(OO,H";"?]%5 ,_*=VA^,0@?;\"0+$ T03W,Q'/VU4X N,73,\(.X='.G@\BW!#PD>&,EMP>FA-MLSY!JF.@_7/@AX@_C=CC/_FKV6CWNZGYU!\+SC>ZYKX-X[$70KHO L&LA"Y M%A3 L;$582'B!E--@842@RYA HHQ0E.!E:.H)KZ/^8O(VS!1PXH8L8(UHI>[M3N#0H,-RTR*9Q%.97U I0HCF8Z;%%R6&2B"WMH-'SM.4_L.]HC*E>IA0W.]! 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[1T !4 (!+)H# L &%D=F5N='1E8VA?97@S,BTR+FAT;5!+!08 "@ *)(" ,GP, ! end XML 108 avidexttech_10q_htm.xml IDEA: XBRL DOCUMENT 0001744494 2024-01-012024-09-30 0001744494 adn:CommonStockParValue0.0001PerShareMember 2024-01-012024-09-30 0001744494 adn:WarrantsMember 2024-01-012024-09-30 0001744494 2024-12-24 0001744494 2024-09-30 0001744494 2023-12-31 0001744494 2024-07-012024-09-30 0001744494 2023-07-012023-09-30 0001744494 2023-01-012023-09-30 0001744494 adn:PreferredStockSeriesAMember 2024-06-30 0001744494 adn:PreferredStockSeriesSeedMember 2024-06-30 0001744494 us-gaap:CommonStockMember 2024-06-30 0001744494 us-gaap:AdditionalPaidInCapitalMember 2024-06-30 0001744494 us-gaap:RetainedEarningsMember 2024-06-30 0001744494 us-gaap:AccumulatedOtherComprehensiveIncomeMember 2024-06-30 0001744494 2024-06-30 0001744494 adn:PreferredStockSeriesAMember 2023-06-30 0001744494 adn:PreferredStockSeriesSeedMember 2023-06-30 0001744494 us-gaap:CommonStockMember 2023-06-30 0001744494 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Basis of presentation   Overview   Advent Technologies Holdings, Inc. and its subsidiaries (collectively referred to as “Advent” and the “Company”) is an advanced materials and technology development company operating in the fuel cell, methanol, and hydrogen technology space. Advent is a world-leading company in the development of the HT-PEM technology (with more than 150 patents issued, pending, or licensed worldwide). The HT-PEM fuel cell technology developed by Advent enables off-grid power systems to produce clean power from various green fuels (hydrogen, methanol, bio and eMethanol, and renewable natural gas) and to function with higher efficiency at extreme ambient temperatures and in general extreme environmental conditions (humidity, air pollution). Advent’s main operations focus on developing and manufacturing the Membrane Electrode Assembly (MEA), which is the core electrochemical element and the most critical component of the fuel cell. The MEA largely determines lifetime, power density, efficiency, and overall cost of installation and operation for all applications. Advent is working with world-leading market-leading OEMs with the goal of bringing to the market complete fuel cell systems for a range of applications in the stationary power markets (backup, off-grid, and portable power) and the heavy-duty mobility markets (automotive, aviation, marine).   Advent has its headquarters in Livermore, California, and the Company has MEA and fuel cell product development facilities in Livermore, California and Patras, Greece. Previously, the Company’s headquarters were located in Boston, Massachusetts. During 2023, the Company decided to consolidate certain of its German operations with its operations in Greece. During June 2024, the Company closed its facilities in Boston, MA, and no longer maintains its facilities in Denmark and the Philippines due to the bankruptcy of Advent Technologies A/S in July 2024.   On February 4, 2021 (“Closing Date”), AMCI Acquisition Corp. (“AMCI”), consummated the business combination (the “Business Combination”) pursuant to that certain merger agreement (the “Agreement and Plan of Merger”), dated October 12, 2020, by and among AMCI, AMCI Merger Sub Corp., a Delaware corporation and newly formed wholly-owned subsidiary of AMCI (“Merger Sub”), AMCI Sponsor LLC (the “Sponsor”), solely in the capacity as the representative from and after the effective time of the Business Combination for the stockholders of AMCI, Advent Technologies, Inc., a Delaware corporation (“Legacy Advent”), and Vassilios Gregoriou, solely in his capacity as the representative from and after the effective time for the Legacy Advent stockholders (the “Seller Representative”), as amended by Amendment No. 1 and Amendment No. 2 to the Agreement and Plan of Merger, dated as of October 19, 2020 and December 31, 2020, respectively, by and among AMCI, Merger Sub, Sponsor, Legacy Advent, and Seller Representative. In connection with the closing of the Business Combination (the “Closing”), AMCI acquired 100% of the stock of Legacy Advent (as it existed immediately prior to the Closing) and its subsidiaries.   On the Closing Date, and in connection with the closing of the Business Combination, AMCI changed its name to Advent Technologies Holdings, Inc. Legacy Advent was deemed the accounting acquirer in the Business Combination based on an analysis of the criteria outlined in Accounting Standards Codification (“ASC”) 805. This determination was primarily based on Legacy Advent’s stockholders prior to the Business Combination having a majority of the voting interests in the combined company, Legacy Advent’s operations comprising the ongoing operations of the combined company, Legacy Advent’s board of directors comprising a majority of the board of directors of the combined company, and Legacy Advent’s senior management comprising the senior management of the combined company. Accordingly, for accounting purposes, the Business Combination was treated as the equivalent of Legacy Advent issuing stock for the net assets of AMCI, accompanied by a recapitalization. The net assets of AMCI are stated at historical cost, with no goodwill or other intangible assets recorded.   While AMCI was the legal acquirer in the Business Combination, because Legacy Advent was deemed the accounting acquirer, the historical financial statements of Legacy Advent became the historical financial statements of the combined company, upon the consummation of the Business Combination. As a result, the consolidated financial statements included in this report reflect (i) the historical operating results of Legacy Advent prior to the Business Combination; (ii) the results of the Company (combined results of AMCI and Legacy Advent) following the closing of the Business Combination; (iii) the assets and liabilities of Legacy Advent at their historical cost; and (iv) Company’s equity structure for all periods presented.   In accordance with guidance applicable to these circumstances, the equity structure has been restated in all comparative periods up to the Closing Date, to reflect the number of shares of the Company’s common stock, $0.0001 par value per share, issued to Legacy Advent’s stockholders in connection with the recapitalization transaction. As such, the shares and corresponding capital amounts and earnings per share related to Legacy Advent Preferred Stock (“Preferred Series A” and “Preferred Series Seed”) and Legacy Advent common stock prior to the Business Combination have been retroactively restated as shares reflecting the exchange ratio established in the Business Combination Agreement. Activity within the statement of changes in stockholders’ equity / (deficit) for the issuances of Legacy Advent’s Preferred Stock, were also retroactively converted to Legacy Advent common stock.   On February 18, 2021, Advent Technologies, Inc. entered into a Membership Interest Purchase Agreement with Bren-Tronics, Inc. (“Bren-Tronics”) and UltraCell, LLC (“UltraCell”), a Delaware limited liability company and a direct wholly owned subsidiary of Bren-Tronics.   UltraCell LLC was renamed Advent Technologies LLC following its acquisition by the Company.   On June 25, 2021, the Company entered into a Share Purchase Agreement, with F.E.R. fischer Edelstahlrohre GmbH, a limited liability company incorporated under the Laws of Germany (the “Seller”) to acquire all of the issued and outstanding equity interests in SerEnergy A/S, a Danish stock corporation and a wholly-owned subsidiary of the Seller (“SerEnergy”) and fischer eco solutions GmbH, a German limited liability company and a wholly-owned subsidiary of the Seller (“FES”) together with certain outstanding shareholder loan receivables.   SerEnergy and FES were renamed to Advent Technologies A/S and Advent Technologies GmbH, respectively, following their acquisition by the Company on August 31, 2021.   The unaudited condensed consolidated financial statements of the Company have been prepared to reflect the consolidation of the companies listed below: <table cellpadding="0" cellspacing="0" id="xdx_885_ecustom--SubsidiariesInConsolidationTableTextBlock_pn3n3_z3yPOA1CXUy3" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Basis of presentation (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of subsidiaries in consolidation</td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: center"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="font-weight: bold; text-align: center">Country of</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Ownership Interest</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Statements of Operations</td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: left">Company Name</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Incorporation</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Direct</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Indirect</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; width: 41%; text-align: left">Advent Technologies, Inc.</td> <td style="width: 1%"> </td> <td style="width: 10%; text-align: center">USA</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center"><span id="xdx_908_ecustom--OwnershipPercentageInSubsdaries_iI_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesIncMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zKd1CURzxIoa" title="Ownership Interest">100%</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center"><span id="xdx_903_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesIncMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_zlFq3jMm1Lya" title="Ownership Interest">-</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center">01/01 - 9/30</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center">01/01 - 9/30</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies S.A.</td> <td> </td> <td style="text-align: center">Greece</td> <td> </td> <td style="text-align:

center"><span id="xdx_90E_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesSAMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zfbLpRzxAZz8" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesSAMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_z5Wcqq4DtKK6" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies LLC</td> <td> </td> <td style="text-align: center">USA</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesLLCMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zv6XRVo3ysoa" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center"><span id="xdx_906_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesLLCMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_z9ke8PE8Aa49" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies GmbH</td> <td> </td> <td style="text-align: center">Germany</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesGmbHMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zjodWj9fnLN" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center"><span id="xdx_901_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesGmbHMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_ziCARuPXrzYf" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> </table>   On July 25, 2024, Advent Technologies A/S was declared bankrupt by the court in Aalborg, Denmark. The petition was brought by IDA, the union of engineers for €402,000. As the Company did not have the ability to pay the full amount due, the Danish court declared Advent Technologies A/S bankrupt. Advent Technologies A/S and its wholly owned subsidiary Advent Green Energy Philippines, Inc. will be liquidated by the court appointed trustee to settle all claims under the bankruptcy. The Company anticipates it will receive no residual assets. As a result of their bankruptcy, Advent Technologies A/S and Advent Green Energy Philippines, Inc. (collectively referred to as the "Discontinued Subsidiaries") have been presented as discontinued operations in the accompanying financial statements.   Unaudited Condensed Consolidated Financial Statements   The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with U.S. Generally Accepted Accounting Principles ("GAAP") and pursuant to the regulations of the U.S. Securities and Exchange Commission ("SEC"). The unaudited financial information reflects, in the opinion of management, all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Company's financial position, results of operations and cash flows for the periods indicated. The results reported for the interim period presented are not necessarily indicative of results that may be expected for the full year. These unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Company's audited consolidated financial statements as of and for the year ended December 31, 2023, included in the Annual Report on Form 10-K filed with the SEC on August 13, 2024.   We reclassified certain prior year amounts in our consolidated financial statements to conform to the current year presentation. All reclassifications have been applied consistently to the periods presented.   The unaudited condensed consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries. Intercompany accounts and transactions have been eliminated.   Share and per share amounts are presented on a post-conversion basis for all periods presented, unless otherwise specified.   Going Concern   The accompanying unaudited condensed consolidated financial statements have been prepared assuming the Company will continue as a going concern. The Company considers that the going concern basis is appropriate for the preparation of its unaudited condensed consolidated financial statements, as it is pursuing additional fund raising as disclosed below and has no intentions to proceed with liquidation. The going concern basis of presentation assumes that the Company will continue in operation one year from the date these unaudited condensed consolidated financial statements are issued and will be able to realize its assets and discharge its liabilities and commitments in the normal course of business. As such, the accompanying unaudited condensed consolidated financial statements do not include any adjustments relating to the recoverability and classification of assets and their carrying amounts, or the amount and classification of liabilities that may result should the Company be unable to continue as a going concern.   In accordance with the Financial Accounting Standards Board ("FASB") Accounting Standards Update ("ASU") 2014-15, Disclosure of Uncertainties about an Entity's Ability to Continue as a Going Concern (Subtopic 205-40), the Company has evaluated whether there are conditions and events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for one year from the date that the unaudited condensed consolidated financial statements are issued. The Company's ability to meet its liquidity needs will largely depend on its ability to generate cash in the future. During the nine months ended September 30, 2024, the Company provided $3.1 3,088 million of cash in operating activities (excluding discontinued operations), and the Company's ability to generate cash in the future is subject to general economic, financial, competitive, legislative, regulatory, and other factors that are beyond the Company's control. Furthermore, the Company has suffered recurring operating losses and has a negative net working capital position of $23.0 million as of September 30, 2024. In addition, as of the issuance date of these unaudited condensed consolidated financial statements the Company is overdue in a number of its obligations which could give the right to creditors at any time from the issuance date of these consolidated financial statements to raise legal action against the Company which in turn could potentially lead to liquidation action against the Company and/or its subsidiaries. The transition to profitability and positive cash flow is highly dependent upon the successful development, approval, and commercialization of the Company's products and the achievement of a revenue level adequate to support its cost structure and the Company can give no assurances that this will occur. Based on the Company's current operating plan, the Company believes that its cash and cash equivalents as of September 30, 2024, of $0.2 million and $0.5 million as of December 26, 2024, are not sufficient to fund operations and capital expenditures for the twelve months following the filing of this Quarterly Report on Form 10-Q, and the Company will need to obtain additional funding in the very near term, otherwise the Company may immediately substantially curtail or terminate its operations.   The Company performed a cash flow projection on a monthly basis for the twelve-month period following the issuance of the consolidated financial statements. With regards to the cash flow projections, the projected inflows from revenues and grants will be insufficient to cover the projected outflows, as such, the Company will continue to have a negative net working capital position and a delay in the projected timing of the short term financing and inflows and/or an immediate demand by creditors of repayment of the long outstanding payables may result in the Company being insolvent and short of cash at any specific time over the coming weeks and over the next twelve months.   The highlights of the projections are as follows: The Company projects cash inflows from contracted revenues and grants for which it has already signed agreements with third parties and estimates projected outflows assuming the effective implementation of the Company's plans to reduce monthly expenditures gradually during 2024.   In addition, the projections do not include any cash outflows relating to commitments and contingencies as disclosed in Note 19 to the unaudited condensed consolidated financial statements, since the Company believes that any cash outflows relating to these commitments will not materialize based on the Company's plans to agree the termination of such contracts with its suppliers and a contingent loss as outcome of the pending arbitration it is not probable.   Until such time as the Company generates sufficient revenue to fund its operations (if ever), the Company plans to finance its operations and repay its existing and future liabilities and other obligations through the sale of equity and/or debt securities and, to the extent available, short-term and long-term loans.   With regards to the projected revenues and grants, a delay in the projected timing of inflows may result in the Company remaining insolvent and short of cash at any specific time over the next twelve months. Also, there is no guarantee that the Company's plans to reduce monthly expenditures will be successful.   If the Company is unable to obtain sufficient funding, it could be required to delay its development efforts, limit activities, and further reduce research and development costs, which could adversely affect its business prospects and delivery of contractual obligations. A cash shortfall at any point in time over the next twelve months could result in the Company failing to meet its overdue and current obligations which could trigger action against the Company and/or its subsidiaries for liquidation by employees, authorities, or creditors. Because of the uncertainty in securing additional funding, delays in growth of revenue, failure to materialize cost-cutting efforts and the insufficient amount of cash and cash equivalents as of the consolidated financial statement filing date, management has concluded that substantial doubt exists with respect to the Company's ability to continue as a going concern for one year from the date the unaudited condensed consolidated financial statements are issued.   10.0001<table cellpadding="0" cellspacing="0" id="xdx_885_ecustom--SubsidiariesInConsolidationTableTextBlock_pn3n3_z3yPOA1CXUy3" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Basis of presentation (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of subsidiaries in consolidation</td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td> <td> </td> <td style="text-align: center"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: center"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="font-weight: bold; text-align: center">Country of</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Ownership Interest</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Statements of Operations</td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight:

bold; text-align: left">Company Name</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Incorporation</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Direct</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Indirect</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; width: 41%; text-align: left">Advent Technologies, Inc.</td> <td style="width: 1%"> </td> <td style="width: 10%; text-align: center">USA</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center"><span id="xdx_908_ecustom--OwnershipPercentageInSubsdaries_iI_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesIncMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zKd1CURzxIoa" title="Ownership Interest">100%</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center"><span id="xdx_903_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesIncMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_zlFq3jMm1Lya" title="Ownership Interest">-</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center">01/01 – 9/30</td> <td style="width: 2%"> </td> <td style="width: 10%; text-align: center">01/01 – 9/30</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies S.A.</td> <td> </td> <td style="text-align: center">Greece</td> <td> </td> <td style="text-align: center"><span id="xdx_90E_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesSAMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zfbLpRzxAZz8" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesSAMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_z5Wcgq4DtKK6" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies LLC</td> <td> </td> <td style="text-align: center">USA</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesLLCMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zv6XRVo3ysoa" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center"><span id="xdx_906_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesLLCMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_z9ke8PE8Aa49" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left">Advent Technologies GmbH</td> <td> </td> <td style="text-align: center">Germany</td> <td> </td> <td style="text-align: center"><span id="xdx_907_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesGmbHMember__srt--OwnershipAxis__custom--DirectOwnershipMember_zjodWj9fnLN" title="Ownership Interest">100%</td> <td> </td> <td style="text-align: center"><span id="xdx_901_ecustom--OwnershipPercentageInSubsdaries_c20240930__srt--ConsolidatedEntitiesAxis__custom--AdventTechnologiesGmbHMember__srt--OwnershipAxis__custom--IndirectOwnershipMember_ziCARuPXrzYf" title="Ownership Interest">-</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td> <td> </td> <td style="text-align: center">01/01 – 9/30</td></tr> </table>Advent Technologies, Inc.USA100001/01 – 9/3001/01 – 9/30Advent Technologies S.A.Greece100001/01 – 9/3001/01 – 9/30Advent Technologies LLCUSA100001/01 – 9/3001/01 – 9/30Advent Technologies GmbHGermany100001/01 – 9/3001/01 – 9/3030880002300000.0200000500000 2. Summary of Significant Accounting Policies   There have been no significant changes from the significant accounting policies disclosed in Note 2 of the “Notes to Consolidated Financial Statements” included in the Annual Report Form 10-K filed with the SEC on August 13, 2024.   The Company did not apply any new accounting policies during the nine-month period ended September 30, 2024 other than those noted below.   Use of Estimates   The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. On an on-going basis, management evaluates the estimates and judgments, including those related to the selection of useful lives for tangible assets, expected future cash flows from long-lived assets to support impairment tests, the carrying value of goodwill, provisions necessary for accounts receivables and inventory write downs, provisions for legal disputes, and contingencies. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from those estimates under different assumptions and/or conditions.   Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents   Cash and cash equivalents are highly liquid investments with original maturities of three months or less. Cash and cash equivalents consist of cash on hand, deposits held on call with banks and investments in money market funds with original maturities of three months or less at the date of acquisition. As of December 31, 2023, the Company has cash and cash equivalents which are restricted of $0.9 million. The restricted cash equivalent was a letter of credit required by the Company’s lease agreement for the Hood Park facility in Boston, MA. The letter of credit is required for the duration of the lease agreement which commenced in October 2022 and then was terminated in June 2024 resulting in the release of the letter of credit in the benefit of the landlord.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The Company reconciles cash, cash equivalents, restricted cash and restricted cash equivalents reported in the consolidated balance sheets that aggregate to the beginning and ending balances shown in the unaudited condensed consolidated statements of cash flows as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_890_eus-gaap--ScheduleOfRestrictedCashAndCashEquivalentsTextBlock_pn3n3_zR3AxQP6qEVa" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of restricted cash and cash equivalents</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20240930_zJK1wXhsvDy2" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20231231_z4yr6uc9Lh9f" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">September 30,
 2024</p></td> <td style="padding-bottom: 1pt"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">December 31,
 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_40E_eus-gaap--CashAndCashEquivalentsAtCarryingValue_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Cash and cash equivalents</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">192</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">3,200</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--RestrictedCashCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Restricted cash, current</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">100</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--RestrictedCashNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Restricted cash, non-current</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">750</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Cash, cash equivalents, restricted cash and restricted cash equivalents</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">192</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">4,050</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <p id="xdx_84C_eus-gaap--

CreditLossFinancialInstrumentPolicyTextBlock_zPoDEhy3wFN5" style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">Credit Losses   In June 2016, the FASB issued ASU 2016-13, Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses of Financial Instruments, which amends the requirement on the measurement and recognition of expected credit losses for financial assets held. Furthermore, amendments ASU 2019-10 and ASU 2019-11 provided additional clarification for implementing ASU 2016-13. ASU 2016-13 is effective for the Company beginning January 1, 2023, with early adoption permitted. The Company adopted the standard on January 1, 2023, in accordance with the adoption dates for private entities applicable to it under its emerging growth company status at that time and the standard did not have a material impact on the Company's unaudited condensed consolidated financial statements and related disclosures. The Company is exposed to credit losses primarily through sales of its products. The Company assesses each customer's ability to pay and a credit loss estimate by conducting a credit review which includes consideration of established credit rating or an internal assessment of the customer's creditworthiness based on an analysis of their payment history when a credit rating is not available. The Company monitors credit exposure through active review of customer balances. The Company's expected loss methodology for accounts receivable is developed through consideration of factors including, but not limited to, historical collection experience, current customer credit ratings, current customer financial condition, current and future economic and market conditions, and age of the receivables. Charges related to credit losses are included in administrative and selling expenses and are recorded in the period that the outstanding receivables are determined to be doubtful. Account balances are written-off against the allowance when they are deemed uncollectible.   During the three months ended September 30, 2024, certain receivables totaling $4.3 million from Advent Technologies A/S were fully reserved as expected credit losses.   Inventories   Inventories, which consist of raw materials, work-in-process and finished goods are stated at the lower of cost or net realizable value using the first-in, first-out cost method. Cost includes the cost of purchased materials, inbound freight charges, external and internal processing and applicable labor and overhead costs. Net realizable value is the estimated selling price in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation.   The Company periodically reviews quantities of inventories on hand and compares these amounts to the expected use of each product. Inventories are reviewed to determine if valuation allowances are required for obsolescence (excess, obsolete, and slow-moving inventory). This review includes analyzing inventory levels of individual parts considering the current design of our products and production requirements as well as the expected inventory requirements for maintenance on installed power platforms. The Company records a charge to cost of revenue for the amount required to reduce the carrying value of inventory to the net realizable value.   Fair Value Measurements   The Company follows the accounting guidance in ASC 820 for its fair value measurements of financial assets and liabilities measured at fair value on a recurring basis. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability.   The accounting guidance requires fair value measurements be classified and disclosed in one of the following three categories: <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 1: Quoted prices in active markets for identical assets or liabilities.</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 2: Observable inputs other than Level 1 prices, for similar assets or liabilities that are directly or indirectly observable in the marketplace.</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 3: Unobservable inputs which are supported by little or no market activity and that are financial instruments whose values are determined using pricing models, discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant judgment or estimation.</td> </tr> </table>   The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Assets and liabilities measured at fair value are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.   Convertible Bond Loan   On May 25, 2022, Advent Technologies S.A ("Advent SA") and UNI.FUND Mutual Fund ("UNIFUND") entered into an agreement to finance Cyrus SA ("Cyrus") with a convertible bond loan ("Bond Loan") of €1.0 million. As a part of this transaction, Advent SA offered €0.3 million in bond loans with an annual interest rate of 8.00%. The term of the loan is three years and there is a surcharge of 2.5% for overdue interest.   Cyrus business relates to the research and experimental development in natural sciences and mechanics, the construction of pumps and hydrogen compressors and the wholesale of compressors. Hydrogen compressors are a critical part of the Hydrogen Refueling Stations (HRS) to be used by transport applications. Cyrus has developed a prototype Metal Hydride Compressor which offers unique advantages. The proceeds from the Bond Loan are to cover Cyrus's working capital needs in the context of its operation and the product development.   Mandatory conversion of the Bond Loan will occur in the event of qualified financing which is equivalent to a share capital increase by Cyrus in the first three years from the execution of the Bond Loan agreement with a total amount over €3 million which is covered by third parties unrelated to the basic shareholders or by investors related to them.   The Company classifies the Bond Loan as an available for sale financial asset on the consolidated balance sheets. The Company recognizes interest income within the consolidated statement of operations. For the three and nine months ended September 30, 2024, the Company recognized $7 thousand and $21 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. For the three and nine months ended September 30, 2023, the Company recognized $6 thousand and $19 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively.   The Company initially measured the available for sale Bond Loan at the transaction price plus any applicable transaction costs. The Bond Loan is remeasured to its fair value at each reporting period and upon settlement. The estimated fair value of the Bond Loan is determined using Level 3 inputs by using a discounted cash flow model. The change in fair value is recognized within the consolidated statements of comprehensive loss. As of September 30, 2024, the Company continues to fully reserve the Bond Loan as an expected credit loss. The Company did not recognize any unrealized gain / (loss) during the three and nine months ended September 30, 2024, or 2023.   Warrant Liability   As a result of the Business Combination, the Company assumed a warrant liability (the "Warrant Liability") related to previously issued <span id="xdx_907_ecustom--ClassOfWarrantOrRightIssued_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zHOemgFVyZU8" title="Warrants issued (in shares)">131,343 warrants, each exercisable to purchase one share of common stock at an exercise price of $<span id="xdx_905_eus-gaap--ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--StatementEquityComponentsAxis__us-gaap--CommonStockMember_zLudwYX0Xqtc" title="Exercise price (in dollars per share)">345.00 per share, originally sold to AMCI Sponsor LLC (the "Sponsor") in a private placement consummated in connection with AMCI's initial public offering (the "Private Placement Warrants") and the 13,333 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $<span id="xdx_90A_eus-gaap--ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1_c20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--WorkingCapitalWarrantsMember__us-gaap--StatementEquityComponentsAxis__us-gaap--CommonStockMember_zhJOgGsVXXW2" title="Exercise price (in dollars per share)">345.00 per share, converted from the Sponsor's non-interest bearing loan to the Company of $0.4 million in connection with the closing of the Business Combination (the "Working Capital Warrants") (Note 13). The Private Placement Warrants and the Working Capital Warrants have substantially the same terms as the 734,309 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $<span id="xdx_90D_eus-gaap--ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1_c20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--PrivatePlacementWarrantMember__us-gaap--StatementEquityComponentsAxis__us-gaap--CommonStockMember_z9AIRKePqks9" title="Exercise price (in dollars per share)">345.00 per share, issued by AMCI in its initial public offering (the "Public Warrants").   The following tables summarize the fair value of the Company's assets and liabilities measured at fair value on a recurring basis as of September 30, 2024 and December 31, 2023.   <table cellpadding="0" cellspacing="0" id="xdx_896_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisTextBlock_pn3n3_zG3bbm9dH2m2" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of liabilities measured at fair value on recurring basis</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left; padding-bottom: 1pt"> </td> <td style="text-align: center; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> As of
 September 30,
 2024 (Unaudited) </td> <td style="padding-bottom: 1pt; text-align: center"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td>

<td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
 Inputs
 (Level 3)</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; width: 76%">Assets</td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Available for sale financial asset</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z7v2MNMSplIl" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zwFGTCKPIqM" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_ztVDWhhAc6W3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zGn5EDIT2Wn8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Warrant liability</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_985_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z3ffotftzYWa" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zzr97dx0pDx" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_981_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zFjMz843iBh3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zfKaHjYp3MAl" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of
 December 31,
 2023</td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
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text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left; padding-bottom: 1pt">Warrant liability</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98F_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   The carrying amounts of the Company's remaining financial instruments reflected on the consolidated balance sheets and which consist of cash and cash equivalents, accounts receivables, net, other current assets, trade and other payables, and other current liabilities, approximate their respective fair values due to their short-term nature.   Changes in the fair value of Level 3 assets and liabilities for the three and nine months ended September 30, 2024 and 2023 were as follows: <table cellpadding="0" cellspacing="0" id="xdx_891_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationTextBlock_pn3n3_zgNG7A1oPllg" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 2)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of change in fair value of warrant liability</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">Available for Sale Financial Asset</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2"

style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> For the Nine Months Ended
 September 30,
 2023 </td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; text-align: left">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCceGNStgysb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLXnoG0L86tk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">326</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6VZ8m69KUz3" style="width: 9%; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zMg6rZCLdI9h" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">320</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Estimated fair value of available for sale financial asset acquired</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_985_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z2QN5RBTmnyb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98B_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqhVHqiW6cqc" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_982_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zEjA1IdIlKP5" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcdZM8ir7vdb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Foreign exchange fluctuations</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zop28EkE00A8" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ze4J1L9O1PD5" style="text-align: right" title="Foreign exchange fluctuations">(10</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zx1m64XwbKQ9" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98C_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zO1IX3psxfHl" style="text-align: right" title="Foreign exchange fluctuations">(4</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Change in estimated fair value</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zyJS8k6CXlbg" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4GhLN8L9Lcf" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCloFPNIh4t6" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zHDZrbrWu4yj" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zfj8xyQjzCk1" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqeMrYJq5Bxg" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ziVlYoSNK562" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_983_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6Lpi1014jvf" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Warrant Liability</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> For the Nine Months Ended
 September 30,
 2023 </td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; vertical-align: top">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKfTGKcFGNTa" style="width: 9%; font-weight: bold; text-align: right"

title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zJXsieUbl0Fk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">177</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zQkobRijf5EGb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">59</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zK5AdFNha1M3" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">998</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Change in estimated fair value</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ztZ7MukkbGbd" style="text-align: right" title="Change in estimated fair value">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqgelOu7wt11" style="text-align: right" title="Change in estimated fair value">135</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zvqWWkjAiUnh" style="text-align: right" title="Change in estimated fair value">(59</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zC1W7eC1u5PI" style="text-align: right" title="Change in estimated fair value">(355</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Reclassification of private placement warrants</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_981_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqNNYmHTbuo9" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98C_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLGnTdTArs4c" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(213</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcPDTtUFZ6w7" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_985_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z9FYIznrTq22" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(545</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 2.5pt; text-align: left; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; vertical-align: top">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zwzIaVb8UTSd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zavBJAr9FNOh" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4fNFE59shJ8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKaG3grD2NH8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   The Warrant Liability is remeasured to its fair value at each reporting period and upon settlement. The change in fair value is recognized in “Fair value change of warrant liability” on the consolidated statements of operations.   Use of Estimates   The preparation of consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the dates of the financial statements and the reported amounts of revenues and expenses during the reporting periods. On an on-going basis, management evaluates the estimates and judgments, including those related to the selection of useful lives for tangible assets, expected future cash flows from long-lived assets to support impairment tests, the carrying value of goodwill, provisions necessary for accounts receivables and inventory write downs, provisions for legal disputes, and contingencies. Management bases its estimates and judgments on historical experience and on various other factors that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from those estimates under different assumptions and/or conditions.   Cash, Cash Equivalents, Restricted Cash and Restricted Cash Equivalents   Cash and cash equivalents are highly liquid investments with original maturities of three months or less. Cash and cash equivalents consist of cash on hand, deposits held on call with banks and investments in money market funds with original maturities of three months or less at the date of acequisition. As of December 31, 2023, the Company has cash and cash equivalents which are restricted of $0.9 million. The restricted cash equivalent was a letter of credit required by the Company’s lease agreement for the Hood Park facility in Boston, MA. The letter of credit is required for the duration of the lease agreement which commenced in October 2022 and then was terminated in June 2024 resulting in the release of the letter of credit in the benefit of the landlord.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The Company reconciles cash, cash equivalents, restricted cash and restricted cash equivalents reported in the consolidated balance sheets that aggregate to the beginning and ending balances shown in the unaudited condensed consolidated statements of cash flows as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_890_eus-gaap--ScheduleOfRestrictedCashAndCashEquivalentsTextBlock_pn3n3_zR3AxQP6gEVa" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of restricted cash and cash equivalents</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20240930_zJK1wXhsvDy2" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20231231_z4yr6uc9Lh9f" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">September 30,
 2024</p></td> <td style="padding-bottom: 1pt"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">December 31,
 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_40E_eus-gaap--CashAndCashEquivalentsAtCarryingValue_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Cash and cash equivalents</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">192</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">3,200</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--RestrictedCashCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Restricted cash, current</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">100</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--RestrictedCashNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Restricted cash, non-current</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">750</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Cash, cash equivalents, restricted cash and restricted cash equivalents</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">192</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">4,050</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   900000<table cellpadding="0" cellspacing="0" id="xdx_890_eus-gaap--ScheduleOfRestrictedCashAndCashEquivalentsTextBlock_pn3n3_zR3AxQP6gEVa" style="font: 10pt Times New Roman, Times, Serif;

border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of restricted cash and cash equivalents</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20240930_zJK1wXhsvDy2" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20231231_z4yr6uc9Lh9f" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> September 30,
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192000320000010000075000019200040500000 Credit Losses   In June 2016, the FASB issued ASU 2016-13, Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses of Financial Instruments, which amends the requirement on the measurement and recognition of expected credit losses for financial assets held. Furthermore, amendments ASU 2019-10 and ASU 2019-11 provided additional clarification for implementing ASU 2016-13. ASU 2016-13 is effective for the Company beginning January 1, 2023, with early adoption permitted. The Company adopted the standard on January 1, 2023, in accordance with the adoption dates for private entities applicable to it under its emerging growth company status at that time and the standard did not have a material impact on the Company's unaudited condensed consolidated financial statements and related disclosures. The Company is exposed to credit losses primarily through sales of its products. The Company assesses each customer's ability to pay and a credit loss estimate by conducting a credit review which includes consideration of established credit rating or an internal assessment of the customer's creditworthiness based on an analysis of their payment history when a credit rating is not available. The Company monitors credit exposure through active review of customer balances. The Company's expected loss methodology for accounts receivable is developed through consideration of factors including, but not limited to, historical collection experience, current customer credit ratings, current customer financial condition, current and future economic and market conditions, and age of the receivables. Charges related to credit losses are included in administrative and selling expenses and are recorded in the period that the outstanding receivables are determined to be doubtful. Account balances are written-off against the allowance when they are deemed uncollectible.   During the three months ended September 30, 2024, certain receivables totaling $4.3 million from Advent Technologies A/S were fully reserved as expected credit losses.   4300000 Inventories   Inventories, which consist of raw materials, work-in-process and finished goods are stated at the lower of cost or net realizable value using the first-in, first-out cost method. Cost includes the cost of purchased materials, inbound freight charges, external and internal processing and applicable labor and overhead costs. Net realizable value is the estimated selling price in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation.   The Company periodically reviews quantities of inventories on hand and compares these amounts to the expected use of each product. Inventories are reviewed to determine if valuation allowances are required for obsolescence (excess, obsolete, and slow-moving inventory). This review includes analyzing inventory levels of individual parts considering the current design of our products and production requirements as well as the expected inventory requirements for maintenance on installed power platforms. The Company records a charge to cost of revenue for the amount required to reduce the carrying value of inventory to the net realizable value.   Fair Value Measurements   The Company follows the accounting guidance in ASC 820 for its fair value measurements of financial assets and liabilities measured at fair value on a recurring basis. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or a liability.   The accounting guidance requires fair value measurements be classified and disclosed in one of the following three categories: <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 1: Quoted prices in active markets for identical assets or liabilities.</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 2: Observable inputs other than Level 1 prices, for similar assets or liabilities that are directly or indirectly observable in the marketplace.</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">●</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">Level 3: Unobservable inputs which are supported by little or no market activity and that are financial instruments whose values are determined using pricing models, discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant judgment or estimation.</td> </tr> </table>   The fair value hierarchy also requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Assets and liabilities measured at fair value are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.   Convertible Bond Loan   On May 25, 2022, Advent Technologies S.A ("Advent SA") and UNI.FUND Mutual Fund ("UNIFUND") entered into an agreement to finance Cyrus SA ("Cyrus") with a convertible bond loan ("Bond Loan") of €1.0 million. As a part of this transaction, Advent SA offered €0.3 million in bond loans with an annual interest rate of 8.00%. The term of the loan is three years and there is a surcharge of 2.5% for overdue interest.   Cyrus business relates to the research and experimental development in natural sciences and mechanics, the construction of pumps and hydrogen compressors and the wholesale of compressors. Hydrogen compressors are a critical part of the Hydrogen Refueling Stations (HRS) to be used by transport applications. Cyrus has developed a prototype Metal Hydride Compressor which offers unique advantages. The proceeds from the Bond Loan are to cover Cyrus's working capital needs in the context of its operation and the product development.   Mandatory conversion of the Bond Loan will occur in the event of qualified financing which is equivalent to a share capital increase by Cyrus in the first three years from the execution of the Bond Loan agreement with a total amount over €3 million which is covered by third parties unrelated to the basic shareholders or by investors related to them.   The Company classifies the Bond Loan as an available for sale financial asset on the consolidated balance sheets. The Company recognizes interest income within the consolidated statement of operations. For the three and nine months ended September 30, 2024, the Company recognized $7 thousand and $21 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively. For the three and nine months ended September 30, 2023, the Company recognized $6 thousand and $19 thousand of interest income related to the Bond Loan within the consolidated statements of operations, respectively.   The Company initially measured the available for sale Bond Loan at the transaction price plus any applicable transaction costs. The Bond Loan is remeasured to its fair value at each reporting period and upon settlement. The estimated fair value of the Bond Loan is determined using Level 3 inputs by using a discounted cash flow model. The change in fair value is recognized within the consolidated statements of comprehensive loss. As of September 30, 2024, the Company continues to fully reserve the Bond Loan as an expected credit loss. The Company did not recognize any unrealized gain / (loss) during the three and nine months ended September 30, 2024, or 2023.   1000000.03000000.08000.025700021000600019000 Warrant Liability   As a result of the Business Combination, the

Company assumed a warrant liability (the "Warrant Liability") related to previously issued 131,343 warrants, each exercisable to purchase one share of common stock at an exercise price of $345.00 per share, originally sold to AMCI Sponsor LLC (the "Sponsor") in a private placement consummated in connection with AMCI's initial public offering (the "Private Placement Warrants") and the 13,333 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, converted from the Sponsor's non-interest bearing loan to the Company of $0.4 million in connection with the closing of the Business Combination (the "Working Capital Warrants") (Note 13). The Private Placement Warrants and the Working Capital Warrants have substantially the same terms as the 734,309 warrants, each exercisable to purchase one share of Common Stock at an exercise price of $345.00 per share, issued by AMCI in its initial public offering (the "Public Warrants").</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The following tables summarize the fair value of the Company's assets and liabilities measured at fair value on a recurring basis as of September 30, 2024 and December 31, 2023.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_896_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisTextBlock_pn3n3_zG3bbm9dH2m2" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of liabilities measured at fair value on recurring basis</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left; padding-bottom: 1pt"> </td> <td style="text-align: center; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 0; text-align: center">As of
 September 30,
 2024</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt; text-align: center"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
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 (Level 3) </td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; width: 76%">Assets</td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Available for sale financial asset</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z7v2MNMSpllI" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zwFGTCKPIqM" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_ztVDWhhAc6W3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zGn5EDIT2Wn8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Warrant liability</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_985_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z3ffoftfzYWa" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zzr97dx0pDx" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_981_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zFjMz843iBh3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zfKaHjYp3MAI" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of
 December 31,
 2023</td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
 Inputs
 (Level 3)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Available for sale financial asset</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_983_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left; padding-bottom: 1pt">Warrant liability</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%;

padding-bottom: 1pt; text-align: left"> </td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98F_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p id="xdx_8A2_zxAQW8B47j2c" style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The carrying amounts of the Company's remaining financial instruments reflected on the consolidated balance sheets and which consist of cash and cash equivalents, accounts receivables, net, other current assets, trade and other payables, and other current liabilities, approximate their respective fair values due to their short-term nature.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">Changes in the fair value of Level 3 assets and liabilities for the three and nine months ended September 30, 2024 and 2023 were as follows: </p> <p style="margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_891_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationTextBlock_pn3n3_zgNG7A1oPIlg" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 2)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of change in fair value of warrant liability</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">Available for Sale Financial Asset</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> <p style="margin-top: 0; margin-bottom: 0">For the</p> <p style="margin-top: 0; margin-bottom: 0">Nine Months Ended
 September 30,
 2023</p></td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; text-align: left">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCceGNStgysb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLXnoG0L86tk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">326</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6VZ8m69KUz3" style="width: 9%; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zMg6rZCLdI9h" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">320</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Estimated fair value of available for sale financial asset acquired</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_985_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z2QN5RBTmnyb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98B_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqhVHgiW6cqc" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_982_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zEjA1IdlKP5" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcdZM8ir7vdb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Foreign exchange fluctuations</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zop28EkE00A8" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ze4J1L9O1PD5" style="text-align: right" title="Foreign exchange fluctuations">(10</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zx1m64XwbKQ9" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98C_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zO1IX3psxfHl" style="text-align: right" title="Foreign exchange fluctuations">(4</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Change in estimated fair value</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zyJS8k6CXlbg" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4GhLN8L9Lcf" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCloFPNIh4t6" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zHDZrbrWu4yj" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zfj8xyOjzCk1" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqeMrYJq5Bxg" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--

FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ziVlYoSNK562" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_983_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6Lpi1014jvf" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Warrant Liability</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> <p style="margin-top: 0; margin-bottom: 0">For the</p> <p style="margin-top: 0; margin-bottom: 0">Nine Months Ended
 September 30,
 2023</p></td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; vertical-align: top">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKfTGKcFGNTa" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zJXsieUbl0Fk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">177</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zQkobRij5EGb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">59</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zK5AdFNha1M3" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">998</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Change in estimated fair value</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ztZ7MukkbGbd" style="text-align: right" title="Change in estimated fair value">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqgelOu7wtI1" style="text-align: right" title="Change in estimated fair value">135</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zvqWWkjAiUnh" style="text-align: right" title="Change in estimated fair value">(59</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zC1W7eC1u5Pl" style="text-align: right" title="Change in estimated fair value">(355</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Reclassification of private placement warrants</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_981_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqNNYmHTbuo9" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98C_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLGnTdTArs4c" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(213</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcPDTtUFZ6w7" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_985_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z9FYIznrTq22" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(545</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 2.5pt; text-align: left; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; vertical-align: top">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zwzIaVb8UTSd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zavBJAr9FNOh" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4fNFE59shJ8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKaG3grD2NH8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p id="xdx_8A1_zpd0MIEtcoTd" style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The Warrant Liability is remeasured to its fair value at each reporting period and upon settlement. The change in fair value is recognized in "Fair value change of warrant liability" on the consolidated statements of operations.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> 131343345.0013333345.0040000073430934 5.00<table cellpadding="0" cellspacing="0" id="xdx_896_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisTextBlock_pn3n3_zG3bbm9dH2m2" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of liabilities measured at fair value on recurring basis</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left; padding-bottom: 1pt"> </td> <td style="text-align: center; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 0; text-align: center">As of September 30,
 2024</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt; text-align: center"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; text-align: center; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
 Inputs
 (Level 3)</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; width: 76%">Assets</td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Available for sale financial asset</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z7v2MNMSplll" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--

FairValueMeasurementsRecurringMember_zwFGTCKPIqM" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_ztVDWhhAc6W3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--AssetsFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zGn5EDIT2Wn8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left">Warrant liability</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_985_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_z3ffotftzYWa" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zzr97dx0pDx" style="border-bottom: Black 1pt solid; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_981_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByLiabilityClassAxis__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zFjMz843iBh3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_pn3n3_c20240930__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_zfKaHjYp3MAl" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of
 December 31,
 2023</td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Unobservable
 Inputs
 (Level 3)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Available for sale financial asset</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_983_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98F_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsAssetsMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Assets">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--AssetsFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Assets">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left; padding-bottom: 1pt">Warrant liability</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_980_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Liabilities">59</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98F_eus-gaap--LiabilitiesFairValueDisclosure_c20231231__us-gaap--FairValueByFairValueHierarchyLevelAxis__us-gaap--FairValueInputsLevel3Member__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember__us-gaap--FairValueByMeasurementFrequencyAxis__us-gaap--FairValueMeasurementsRecurringMember_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Liabilities">59</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 5900059000590005900 <table cellpadding="0" cellspacing="0" id="xdx_891_eus-gaap--FairValueLiabilitiesMeasuredOnRecurringBasisUnobservableInputReconciliationTextBlock_pn3n3_zgNG7A1oPllg" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Summary of Significant Accounting Policies (Details 2)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of change in fair value of warrant liability</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">Available for Sale Financial Asset</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> For the Nine Months Ended
 September 30,
 2023 </td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold">(Unaudited)</td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold">(Unaudited)</td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold">(Unaudited)</td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold">(Unaudited)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; text-align: left">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCceGNStgysb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td>

<td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLXnoG0L86tk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">326</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6VZ8m69KUz3" style="width: 9%; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zMg6rZCLdI9h" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">320</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Estimated fair value of available for sale financial asset acquired</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_985_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z2QN5RBTmnyb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98B_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zghVHqiW6cqc" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_982_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zEjA1IdlIKP5" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_ecustom--EstimatedFairValueOfAvailableForSaleFinancialAssetAcquired_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcdZM8ir7vdb" style="text-align: right" title="Estimated fair value of available for sale financial asset acquired">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Foreign exchange fluctuations</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zop28EkE00A8" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ze4J1L9O1PD5" style="text-align: right" title="Foreign exchange fluctuations">(10</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zx1m64XwbKQ9" style="text-align: right" title="Foreign exchange fluctuations">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98C_ecustom--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetForeignExchangeFluctuations_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zO1IX3psxfHl" style="text-align: right" title="Foreign exchange fluctuations">(4</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Change in estimated fair value</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zyJS8k6CXlbg" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4GhLN8L9Lcf" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zCloFPNIh4t6" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetGainLossIncludedInEarnings1_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zHDZrbrWu4yj" style="border-bottom: Black 1pt solid; text-align: right" title="Change in estimated fair value">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zfj8xyOjzCk1" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqeMrYJq5Bxg" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ziVlYoSNK562" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_983_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisAssetValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z6Lpi1014jvf" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">316</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td colspan="17" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Warrant Liability</td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> <p style="margin-top: 0; margin-bottom: 0">For the</p> <p style="margin-top: 0; margin-bottom: 0">Nine Months Ended
 September 30,
 2023</p></td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; vertical-align: top">Estimated fair value (beginning of period)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKfTGKcFGNTa" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">-</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zJXsieUbl0Fk" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">177</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zQkobRij5EGb" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">59</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iS_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zK5AdFNha1M3" style="width: 9%; font-weight: bold; text-align: right" title="Estimated fair value at beginning balance">998</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Change in estimated fair value</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_ztZ7MukkbGbd" style="text-align: right" title="Change in estimated fair value">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqgelOu7wtI1" style="text-align: right" title="Change in estimated fair

value">135</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zvqWWkjAiUnh" style="text-align: right" title="Change in estimated fair value">(59</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98A_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationRecurringBasisLiabilityGainLossIncludedInEarnings_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zC1W7eC1u5Pl" style="text-align: right" title="Change in estimated fair value">(355</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Reclassification of private placement warrants</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_981_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zqNNYmHTbuo9" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98C_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zLGnTdTArs4c" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(213</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zcPDTtUFZ6w7" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_985_ecustom--ReclassificationOfPrivatePlacementWarrants_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z9FYIznrTq22" style="border-bottom: Black 1pt solid; text-align: right" title="Reclassification of private placement warrants">(545</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 2.5pt; text-align: left; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; vertical-align: top">Estimated fair value (end of period)</td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240701__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zwzIaVb8UTSd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230701__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zavBJAr9FNOh" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20240101__20240930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_z4fNFE59shJ8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 2.5pt; font-weight: bold"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_eus-gaap--FairValueMeasurementWithUnobservableInputsReconciliationsRecurringBasisLiabilityValue_iE_pn3n3_c20230101__20230930__us-gaap--FairValueByLiabilityClassAxis__us-gaap--DerivativeFinancialInstrumentsLiabilitiesMember_zKaG3grD2NH8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Estimated fair value at ending balance">99</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 326000320000-10000-40003160003160001770005900099800013500059000-355000-213000-5450009900099000 3. Related party disclosures   Balances with related parties   <table cellpadding="0" cellspacing="0" id="xdx_88C_eus-gaap--ScheduleOfRelatedPartyTransactionsTableTextBlock_pn3n3_zxsbElRZ5ow9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Related party disclosures (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of related parties</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right" title="Due to related parties"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right" title="Due to related parties"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left"> </td> <td style="vertical-align: bottom; text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">September 30,
 2024</td><td style="vertical-align: bottom; text-align: center; padding-bottom: 1pt; font-weight: bold"> </td><td style="vertical-align: bottom; text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">December 31,
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De Castro</td><td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td><td id="xdx_98B_ecustom--DueToRelatedParties_c20240930__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--EmorySDeCastroMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Due to related parties">128</td><td style="padding-bottom: 1pt; text-align: left"> </td><td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td><td id="xdx_980_ecustom--DueToRelatedParties_c20241231__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--EmorySDeCastroMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Due to related parties">-</td><td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; padding-bottom: 2.5pt; vertical-align: top">Total</td><td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td><td id="xdx_98C_ecustom--DueToRelatedParties_c20240930_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Due to related parties">253</td><td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td><td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td><td id="xdx_986_ecustom--DueToRelatedParties_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Due to related parties">-</td><td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   The outstanding balances as of September 30, 2024 due to the Company's executives and officers relate to short-term promissory notes with the Company. The notes are due by August 31, 2026 and bear interest at a rate of 5.00% per annum.   Transactions with related parties   Related parties' transactions are in the normal course of operations and are measured at the amount of consideration established and agreed to by related parties.   <table cellpadding="0" cellspacing="0" id="xdx_88C_eus-gaap--ScheduleOfRelatedPartyTransactionsTableTextBlock_pn3n3_zxsbElRZ5ow9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Related party disclosures (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of related parties</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right" title="Due to related parties"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right" title="Due to related parties"> </td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left"> </td><td style="vertical-align: bottom; text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">September 30,
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MariaGregoriouMember_pn3n3" style="text-align: right" title="Due to related parties">50</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_986_ecustom--DueToRelatedParties_c20231231__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--MariaGregoriouMember_pn3n3" style="text-align: right" title="Due to related parties">-</td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Emory S. De Castro</td><td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td><td id="xdx_98B_ecustom--DueToRelatedParties_c20240930__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--EmorySDeCastroMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Due to related parties">128</td><td style="padding-bottom: 1pt; text-align: left"> </td><td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td><td id="xdx_980_ecustom--DueToRelatedParties_c20241231__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--EmorySDeCastroMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Due to related parties">-</td><td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; padding-bottom: 2.5pt; vertical-align: top">Total</td><td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td><td id="xdx_98C_ecustom--DueToRelatedParties_c20240930_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Due to related parties">253</td><td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td><td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td><td id="xdx_986_ecustom--DueToRelatedParties_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Due to related parties">-</td><td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr>
</table>750005000012800025300000.0500 4. Accounts receivable, net
  Accounts receivable consist of the following: <table cellpadding="0" cellspacing="0" id="xdx_88B_eus-gaap--ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock_pn3n3_zEiBMiTfBQs7" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Accounts receivable, net (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Schedule of accounts receivable</td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td id="xdx_490_20240930_zzNeq4Q5eada" style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td id="xdx_491_20231231_znrzHTWdMce3" style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
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<table cellpadding="0" cellspacing="0" id="xdx_88B_eus-gaap--ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock_pn3n3_zEiBMiTfBQs7" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Accounts receivable, net (Details)">
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 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_400_eus-gaap--AccountsReceivableGrossCurrent_iI_pn3n3_maARNCzmOd_zyuFeky76Ny1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Accounts receivable from third party customers</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">2,142</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">348</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--AllowanceForDoubtfulAccountsReceivableCurrent_iNI_pn3n3_di_msARNCzmOd_zMWwnmS0lONc" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Less: Allowance for credit losses</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(1,868</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(285</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--AccountsReceivableNetCurrent_iTI_pn3n3_mtARNCzmOd_zoB3XHumJUK2" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Accounts receivable, net</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">274</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">63</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>21420003480001868000285000274000630000 5. Inventories   Inventories consist of the following: <table cellpadding="0" cellspacing="0" id="xdx_89B_eus-gaap--ScheduleOfInventoryCurrentTableTextBlock_pn3n3_zblyVeEEgo05" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Inventories (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of inventories</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_499_20240930_zZ1tOsEwiqp5" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49B_20231231_zr757rZFxhI9" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
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 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_402_eus-gaap--InventoryRawMaterialsAndSupplies_iI_pn3n3_maIGzfJ5_zKS0JPxcLyfa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 76%; text-align: left">Raw materials and supplies</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">4,967</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">4,864</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--InventoryWorkInProcess_iI_pn3n3_maIGzfJ5_zedqeTwOINw" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Work-in-process</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">228</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">90</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--InventoryFinishedGoods_iI_pn3n3_maIGzfJ5_z0yeKrCzyTU" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Finished goods</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">264</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">259</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--InventoryGross_iTI_pn3n3_mtIGzfJ5_maINzvtb_z6gut9p2Mj94" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td

style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">5,459</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">5,213</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_405_ecustom--ProvisionForInventory_iNI_pn3n3_di_msINzvtb_zIKgW2fUuIs1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Provision for inventory</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(5,362</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(5,018</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--InventoryNet_iTI_pn3n3_mtINzvtb_zgoMekX04bU4" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">97</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">195</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr></table> <p id="xdx_8AA_zCBSVyaf7gI5" style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The changes in the provision for inventory is as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_896_ecustom--ChangesInProvisionForSlowMovingInventoryTableTextBlock_pn3n3_zH4QLfbeFLO9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Inventories (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of changes in provision for slow moving inventory</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
  Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
  Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
  Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> <p style="margin-top: 0; margin-bottom: 0">For the</p> <p style="margin-top: 0; margin-bottom: 0">Nine Months Ended
 September 30,
 2023</p></td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; text-align: left">Balance at beginning of period</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_985_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20240701__20240930_zI1AFphknkG7" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(5,175</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20230701__20230930_zaboH2VE0uJ9" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(46</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20240101__20240930_zHEHGYyL5RVb" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(5,018</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_987_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20230101__20230930_ztOJjp1PLF7e" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(45</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Additions during the period</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20240701__20240930_zA37jAlTHb1j" style="text-align: right" title="Additions">(11</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_982_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20230701__20230930_zh3x3C3IUjul" style="text-align: right" title="Additions">(449</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20240101__20240930_z9O3b01iEMZ" style="text-align: right" title="Additions">(250</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20230101__20230930_z3hjv5Kq3Wza" style="text-align: right" title="Additions">(449</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Exchange differences</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20240701__20240930_zxMdxw2B8Xg1" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">(176</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20230701__20230930_zqv5H9g5Yfd" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">2</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20240101__20240930_zMA3vBhcD2Bk" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">(94</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98A_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20230101__20230930_zrJF3ykpn1Ci" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">1</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Balance at end of period</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20240701__20240930_zI0PQXDAMoO2" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(5,362</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20230701__20230930_zLTkOJroRbUc" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(493</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20240101__20240930_zp6dZSB1KzYd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(5,362</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_981_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20230101__20230930_zelX6c6iwSxd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(493</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td></tr> </table> <p id="xdx_8AE_zxeulrKTxY16" style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_89B_eus-gaap--ScheduleOfInventoryCurrentTableTextBlock_pn3n3_zblyVeEEgo05" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Inventories (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of inventories</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_499_20240930_zZ1tOsEwigp5" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49B_20231231_zr757rZFxhI9" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
 2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">December 31,
 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_402_eus-gaap--InventoryRawMaterialsAndSupplies_iI_pn3n3_maIGzfj5_zKS0JPxcLyfa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 76%; text-align: left">Raw materials and supplies</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">4,967</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">4,864</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--InventoryWorkInProcess_iI_pn3n3_maIGzfj5_zedqeTwOINw" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Work-in-process</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">228</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">90</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--InventoryFinishedGoods_iI_pn3n3_maIGzfj5_z0yeKrCzyTU" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Finished goods</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">264</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">259</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--InventoryGross_iTI_pn3n3_mtIGzfj5_maINzvtb_z6gut9p2Mj94" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom:

2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">5,459</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">5,213</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_405_ecustom--ProvisionForInventory_iNI_pn3n3_di_msINzvtb_zlKgW2fUuIs1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Provision for inventory</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(5,362</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(5,018</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--InventoryNet_iTI_pn3n3_mtINzvtb_zgoMekX04bU4" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">97</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">195</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr>
</table> 4967000486400022800090000264000259000545900052130005362000501800097000195000<table cellpadding="0" cellspacing="0" id="xdx_896_ecustom--ChangesInProvisionForSlowMovingInventoryTableTextBlock_pn3n3_zH4QLfbeFLO9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Inventories (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of changes in provision for slow moving inventory</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Three Months Ended
 September 30,
 2023</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">For the
 Nine Months Ended
 September 30,
 2024</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> For the Nine Months Ended
 September 30,
 2023 </td> <td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; font-weight: bold; text-align: left">Balance at beginning of period</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_985_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20240701__20240930_zI1AFphknkG7" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(5,175</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20230701__20230930_zaboH2VE0uJ9" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(46</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20240101__20240930_zHEHGYyL5RVb" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(5,018</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_987_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iS_pn3n3_c20230101__20230930_ztOJjp1PLF7e" style="width: 9%; font-weight: bold; text-align: right" title="Balance at beginning of year">(45</td> <td style="width: 1%; font-weight: bold; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Additions during the period</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20240701__20240930_zA37jAlTHb1j" style="text-align: right" title="Additions">(11</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_982_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20230701__20230930_zh3x3C3IUjuI" style="text-align: right" title="Additions">(449</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20240101__20240930_z9O3b01iEMZ" style="text-align: right" title="Additions">(250</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_ecustom--ProvisionForSlowMovingInventoryAdditions_pn3n3_c20230101__20230930_z3hjv5Kq3Wza" style="text-align: right" title="Additions">(449</td> <td style="text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Exchange differences</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20240701__20240930_zxMdxw2B8Xg1" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">(176</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20230701__20230930_zqv5H9g5Yfd" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">2</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20240101__20240930_zMA3vBhcD2Bk" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">(94</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98A_ecustom--ProvisionForSlowMovingInventoryForeignExchangeFluctuations_pn3n3_c20230101__20230930_zrJF3ykpn1Ci" style="border-bottom: Black 1pt solid; text-align: right" title="Foreign exchange fluctuations">1</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Balance at end of period</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20240701__20240930_zI0PQXDAMoO2" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(5,362</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20230701__20230930_zLTkOJroRbUc" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(493</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20240101__20240930_zp6dZSB1KzYd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(5,362</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_981_ecustom--ChangeInProvisionForSlowMovingInventoryBalanceAtBeginning_iE_pn3n3_c20230101__20230930_zelX6c6iwSxd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Balance at end of year">(493</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td></tr> </table> -5175000-46000-5018000-45000-11000-449000-250000-449000-1760002000-940001000-5362000-493000-5362000-493000 6. Prepaid expenses and other current assets   Prepaid expenses are analyzed as follows: <table cellpadding="0" cellspacing="0" id="xdx_89E_ecustom--ScheduleOfPrepaidExpenses_pn3n3_z7hINl8zfdK4" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Prepaid expenses and other current assets (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of prepaid expenses</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49B_20240930_zcL9i1FCaZD" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_499_20231231_z6Wo7hBfGgkb" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> September 30,
 2024 </td> <td style="padding-bottom: 1pt"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> December 31, 2023 </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_401_eus-gaap--PrepaidInsurance_iI_pn3n3_maPECzPl6_zcbWneI6rpVl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Prepaid insurance expenses</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">410</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">155</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_405_ecustom--PrepaidResearch_iI_pn3n3_maPECzPl6_zemHijDmsMJ7" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Prepaid research expenses</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">13</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">36</td> <td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--OtherPrepaidExpenseCurrent_iI_pn3n3_maPECzPl6_ztyuCbFZikZa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Other prepaid expenses</td> <td style="padding-bottom:

1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">125</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">27</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--PrepaidExpenseCurrent_iTI_pn3n3_mtPECzPl6_zyEUPmiqjjt3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">548</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">218</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   Prepaid insurance expenses as of September 30, 2024 and December 31, 2023 mainly include prepayments to insurers for directors' and officers' insurance services for liabilities that may arise in their capacity as directors and officers of a public entity.   Prepaid research expenses as of September 30, 2024 and December 31, 2023 mainly relate to prepayments for expenses under the Cooperative Research and Development Agreement as discussed in Note 16.   Other prepaid expenses as of September 30, 2024 and December 31, 2023 mainly include prepayments for professional fees and purchases, which also include costs to fulfill a contract with customers which are expected to be recognized within 2024, upon delivery of services to these customers.   Other current assets are analyzed as follows: <table cellpadding="0" cellspacing="0" id="xdx_893_eus-gaap--ScheduleOfOtherCurrentAssetsTableTextBlock_pn3n3_zLmlUnGOrhvg" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Prepaid expenses and other current assets (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of other current assets</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49B_20240930_zcnp15ReNNMb" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_494_20231231_zPW5ylFNbrEl" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> September 30,
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background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Purchases under receipt</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1</td> <td style="text-align: left"> </td></tr> <tr id="xdx_405_ecustom--Guarantees_iI_pn3n3_maOACzl6i_zW8uZrlh2xL4" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Guarantees</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--OtherReceivablesGrossCurrent_iI_pn3n3_maOACzl6i_zeFQqRkK2nbj" style="vertical-align: bottom; 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background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Accrued interest income</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--OtherAssetsCurrent_iTI_pn3n3_mtOACzl6i_zwUQkMhXuuPg" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="color: rgb(204,238,255); vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">313</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">620</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" id="xdx_89E_ecustom--ScheduleOfPrepaidExpenses_pn3n3_z7hINl8zfdK4" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Prepaid expenses and other current assets (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of prepaid expenses</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49B_20240930_zcL9i1FCaZD" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_499_20231231_z6Wo7hBfGgkb" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; 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background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Purchases under receipt</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1</td> <td style="text-align: left"> </td></tr> <tr id="xdx_405_ecustom--Guarantees_iI_pn3n3_maOACzl6i_zW8uZrlh2xI4" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Guarantees</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--OtherReceivablesGrossCurrent_iI_pn3n3_maOACzl6i_zeFQqRkK2nbj" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Other receivables</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">72</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">91</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_ecustom--AccruedSubleaseIncome_iI_pn3n3_maOACzl6i_zw0QCocesI0b" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Accrued sublease income</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">80</td> <td style="text-align: left"> </td></tr> <tr id="xdx_406_ecustom--AccruedInterestIncome_iI_pn3n3_maOACzl6i_zbUobRR64vP8" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Accrued interest income</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--OtherAssetsCurrent_iTI_pn3n3_mtOACzl6i_zwUQkMhXuuPg" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="color: rgb(204,238,255); vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">313</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">620</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>

7. Intangible Assets   Information regarding our intangible assets, including assets recognized from our acquisitions, as of September 30, 2024 and December 31, 2023 is as follows: <table cellpadding="0" cellspacing="0" id="xdx_89C_ecustom--ScheduleOfIntangibleAssetsTableTextBlock_pn3n3_zs94JwWIBfz9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Intangible Assets (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; width: 52%">Schedule of intangible assets</td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="14" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of September 30, 2024 (Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Gross
 Carrying
 Amount</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Accumulated
 Amortization</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Cumulative
 Impairment</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Net
 Carrying
 Amount</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Finite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Software</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_988_eus-gaap--FiniteLivedIntangibleAssetsGross_pn3n3_c20240930__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_zZzkZM4cs1Ae" style="border-bottom: Black 1pt solid; text-align: right">237</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_981_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_pn3n3_c20240930__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_zYfsM9meeMh1" style="border-bottom: Black 1pt solid; text-align: right">(160</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td id="xdx_98E_ecustom--CumulativeImpairmentOnIntangibleAssets_iI_pn3n3_c20240930__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_zcVkf9SKoHvl" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--FiniteLivedIntangibleAssetsNet_pn3n3_c20240930__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_zWgZfamrEX7e" style="border-bottom: Black 1pt solid; text-align: right">77</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total intangible assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--IntangibleAssetsGrossExcludingGoodwill_iI_pn3n3_c20240930_zM6nHHwNtuE8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">237</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_ecustom--IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization_iI_pn3n3_c20240930_zvs0T3eWN1J9" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(160</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_ecustom--CumulativeImpairment_pn3n3_c20240930_zRP8AgbZJNok" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--IntangibleAssetsNetExcludingGoodwill_iI_pn3n3_c20240930_zm9BFIorRYg4" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">77</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: center"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="14" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of December 31, 2023</td> <td style="text-align: center; padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Gross
 Carrying
 Amount</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Accumulated
 Amortization</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Cumulative
 Impairment</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Net
 Carrying
 Amount</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Indefinite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td>

style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; width: 9%; text-align: right">-</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 1pt">Total indefinite-lived intangible assets</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--IndefinitelivedIntangibleAssetsAcquired_c20230101__20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Indefinite-lived intangible assets">406</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_988_ecustom--ImpairmentOfIntangibleAssetIndefinitelivedExcludingGoodwill_c20230101__20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Total indefinite-lived intangible assets, Cumulative Impairment">(406</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Finite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Patents</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_985_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">21,221</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(3,247</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Cumulative Impairment">(17,974</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Process know-how (IPR&D)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98F_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">2,612</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98B_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(1,017</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98A_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Cumulative Impairment">(1,595</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Order backlog</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">266</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_988_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(266</td> <td style="text-align: left">)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td id="xdx_98C_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="font-weight: bold; text-align: right" title="Cumulative Impairment">-</td> <td style="font-weight: bold; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98D_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Software</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Gross Carrying Amount">233</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Accumulated Amortization">(154</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td id="xdx_981_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Cumulative Impairment">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_988_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 1pt">Total finite-lived intangible assets</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Gross Carrying Amount">24,332</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Accumulated Amortization">(4,684</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_ecustom--CumulativeImpairment_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Cumulative Impairment">(19,569</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total intangible assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--IntangibleAssetsGrossExcludingGoodwill_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Gross Carrying Amount">24,738</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_ecustom--IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Accumulated Amortization">(4,684</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_984_ecustom--CumulativeImpairmentOnIntangibleAssets_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Cumulative Impairment on intangible assets">(19,975</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--IntangibleAssetsNetExcludingGoodwill_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   The Company did not record any additions to indefinite-lived intangible assets during the three and nine months ended September 30, 2024 and 2023.   The amortization expense for the intangible assets for the three months ended September 30, 2024 and 2023 was nil 0 and $0.1 million, respectively. The amortization expense for the intangible assets for the nine months ended September 30, 2024 and 2023 was $2.0 thousand and $0.5 million, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">All remaining intangible assets, other than software, from the UltraCell and SerEnergy and FES acquisitions were fully impaired during the year ended December 31, 2023.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">Amortization expense is recorded on a straight-line basis. Assuming constant foreign currency exchange rates and no change in the gross carrying amount of the intangible assets, future amortization expense related to the Company's intangible assets subject to amortization as of September 30, 2024 is expected to be as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_897_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock_pn3n3_zQVhhQhUk2N5" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Intangible Assets (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of future amortization expense</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49F_20240930__us-gaap--ChangeInAccountingEstimateByTypeAxis__us-gaap--IntangibleAssetsAmortizationPeriodMember_zPcHi6MUyQ3k" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: top; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; text-align: center"> </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Fiscal Year Ended December 31,</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear_iI_pn3n3_maFLIANz3Z4_ztJq5DK0Wvah" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 88%; text-align: left">2024</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">7</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths_iI_pn3n3_maFLIANz3Z4_zJu2enWjddfe" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2025</td> <td> </td> <td style="text-align: left"> </td> <td

style="text-align: right">28</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo_iI_pn3n3_maFLIANz3Z4_zwPn5JdZkWlh" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2026</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">42</td> <td style="text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearThree_iI_pn3n3_maFLIANz3Z4_z1FZchD40Qwb" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2027</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearFour_iI_pn3n3_maFLIANz3Z4_zScjzeuZbbS4" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2028</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_402_ecustom--FiniteLivedIntangibleAssetExpectedAmortizationAfterYearFour_iI_pn3n3_maFLIANz3Z4_zRMOIDGnvpdl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Thereafter</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--FiniteLivedIntangibleAssetsNet_iTI_pn3n3_mtFLIANz3Z4_zP8oBqgrrRUk" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">77</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p id="xdx_8AA_zVORvMTz7cCa" style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_89C_ecustom--ScheduleOfIntangibleAssetsTableTextBlock_pn3n3_zs94JwW1Bfz9" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Intangible Assets (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; width: 52%">Schedule of intangible assets</td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="width: 1%"> </td> <td style="text-align: left; width: 1%"> </td> <td style="text-align: right; width: 9%"> </td> <td style="text-align: left; width: 1%"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="14" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of September 30, 2024 (Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Gross
 Carrying
 Amount</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Accumulated
 Amortization</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Cumulative
 Impairment</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Net
 Carrying
 Amount</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Finite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total intangible assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--IntangibleAssetsGrossExcludingGoodwill_iI_pn3n3_c20240930_zM6nIHwNtuE8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">237</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_ecustom--IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization_iI_pn3n3_c20240930_zvs0T3eWN1J9" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(160</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_ecustom--CumulativeImpairment_pn3n3_c20240930_zRP8AgbZJNok" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--IntangibleAssetsNetExcludingGoodwill_iI_pn3n3_c20240930_zm9BFIorRYg4" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">77</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: center"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="14" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">As of December 31, 2023</td> <td style="text-align: center; padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Gross
 Carrying
 Amount</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Accumulated
 Amortization</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Cumulative
 Impairment</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Net
 Carrying
 Amount</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Indefinite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; text-align: left; padding-bottom: 1pt">Trade name “UltraCell”</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_982_eus-gaap--IndefinitelivedIntangibleAssetsAcquired_c20230101__20231231__us-gaap--BusinessAcquisitionAxis__custom--UltraCellLLCMember__us-gaap--IndefiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--TradeNamesMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Indefinite-lived intangible assets">406</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; width: 9%; text-align: right">-</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td id="xdx_98F_ecustom--ImpairmentOfIntangibleAssetIndefinitelivedExcludingGoodwill_c20230101__20231231__us-gaap--BusinessAcquisitionAxis__custom--UltraCellLLCMember__us-gaap--IndefiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--TradeNamesMember_pn3n3" style="border-bottom: Black 1pt solid; width: 9%; text-align: right" title="Total indefinite-lived intangible assets, Cumulative Impairment">(406</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left">)</td> <td style="width: 1%; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; width: 1%; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; width: 9%; text-align: right">-</td> <td style="width: 1%; padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 1pt">Total indefinite-lived intangible assets</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--IndefinitelivedIntangibleAssetsAcquired_c20230101__20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Indefinite-lived intangible assets">406</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_988_ecustom--ImpairmentOfIntangibleAssetIndefinitelivedExcludingGoodwill_c20230101__20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Total indefinite-lived intangible assets, Cumulative Impairment">(406</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Finite-lived intangible assets:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Patents</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_985_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">21,221</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(3,247</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Cumulative Impairment">(17,974</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98E_eus-

gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--PatentsMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Process know-how (IPR&D)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98F_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">2,612</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98B_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(1,017</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98A_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Cumulative Impairment">(1,595</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--InProcessResearchAndDevelopmentMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Order backlog</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_983_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Gross Carrying Amount">266</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_988_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Accumulated Amortization">(266</td> <td style="text-align: left">)</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td id="xdx_98C_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="font-weight: bold; text-align: right" title="Cumulative Impairment">-</td> <td style="font-weight: bold; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98D_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--OrderOrProductionBacklogMember_pn3n3" style="text-align: right" title="Net Carrying Amount">-</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Software</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_eus-gaap--FiniteLivedIntangibleAssetsGross_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Gross Carrying Amount">233</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Accumulated Amortization">(154</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td id="xdx_981_ecustom--CumulativeImpairment_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Cumulative Impairment">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_988_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231__us-gaap--FiniteLivedIntangibleAssetsByMajorClassAxis__us-gaap--ComputerSoftwareIntangibleAssetMember_pn3n3" style="border-bottom: Black 1pt solid; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 1pt">Total finite-lived intangible assets</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Gross Carrying Amount">24,332</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--FiniteLivedIntangibleAssetsAccumulatedAmortization_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Accumulated Amortization">(4,684</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_ecustom--CumulativeImpairment_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Cumulative Impairment">(19,569</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--FiniteLivedIntangibleAssetsNet_c20231231_pn3n3" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total intangible assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--IntangibleAssetsGrossExcludingGoodwill_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Gross Carrying Amount">24,738</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_ecustom--IntangibleAssetsGrossExcludingGoodwillAccumulatedAmortization_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Accumulated Amortization">(4,684</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_984_ecustom--CumulativeImpairmentOnIntangibleAssets_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Cumulative Impairment on intangible assets">(19,975</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--IntangibleAssetsNetExcludingGoodwill_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net Carrying Amount">79</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 237000-160000770002370 00-160000770004060 00-406000406000-406000212210 00-3247000-179740002612000-1017000-1595000266000-266000233000-154000790002433200 0-4684000-195690007900024738000-4684000-199750007900001000002000.0500000<table cellpadding="0" cellspacing="0" id="xdx_897_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseTableTextBlock_pn3n3_zQVhhQhUk2N5" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Intangible Assets (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of future amortization expense</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49F_20240930__us-gaap--ChangeInAccountingEstimateByTypeAxis__us-gaap--IntangibleAssetsAmortizationPeriodMember_zPcHi6MUyQ3k" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: top; text-align: left">(Amounts in thousands)</td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; text-align: center"> </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Fiscal Year Ended December 31,</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear_iI_pn3n3_maFLIANz3Z4_ztJqSDK0Wvah" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 88%; text-align: left">2024</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">7</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths_iI_pn3n3_maFLIANz3Z4_zJu2enWjddfe" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2025</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">28</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo_iI_pn3n3_maFLIANz3Z4_zwPn5JdZkWlh" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2026</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">42</td> <td style="text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearThree_iI_pn3n3_maFLIANz3Z4_z1FZchD40Qwb" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2027</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--FiniteLivedIntangibleAssetsAmortizationExpenseYearFour_iI_pn3n3_maFLIANz3Z4_zScjzeuZbbS4" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2028</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_402_ecustom--FiniteLivedIntangibleAssetExpectedAmortizationAfterYearFour_iI_pn3n3_maFLIANz3Z4_zRMOIDGnvpdl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Thereafter</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--FiniteLivedIntangibleAssetsNet_iTI_pn3n3_mtFLIANz3Z4_zP8oBqqrrRUk" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">77</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 70002800042000770 00 8. Property, plant and equipment, net   The Company’s property, plant and equipment, net, consisted of the following: <table cellpadding="0" cellspacing="0" id="xdx_88B_eus-gaap--PropertyPlantAndEquipmentTextBlock_pn3n3_zJ4eqqZIDWbb" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Property, plant and equipment, net (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of property, plant and equipment, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
 2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> December 31, 2023 </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Land, Buildings & Leasehold Improvements</td> <td style="width:

1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98B_eus-gaap--PropertyPlantAndEquipmentGross_pn3n3_c20240930__us-gaap--PropertyPlantAndEquipmentByTypeAxis__us-gaap--LandBuildingsAndImprovementsMember_zjmQQkZLczl5" style="width: 9%; text-align: right" title="Property, plant and equipment, gross">1,014</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_980_eus-gaap--PropertyPlantAndEquipmentGross_c20231231__us-gaap--PropertyPlantAndEquipmentByTypeAxis__us-gaap--LandBuildingsAndImprovementsMember_pn3n3" style="width: 9%; text-align: right" title="Property, plant and equipment, gross">12,632</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Machinery</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--PropertyPlantAndEquipmentGross_pn3n3_c20240930__us-gaap--PropertyPlantAndEquipmentByTypeAxis__custom--MachineryMember_zIQUsseqxHY9" style="text-align: right" title="Property, plant and equipment, gross">6,176</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_986_eus-gaap--PropertyPlantAndEquipmentGross_c20231231__us-gaap--PropertyPlantAndEquipmentByTypeAxis__custom--MachineryMember_pn3n3" style="text-align: right" title="Property, plant and equipment, gross">10,908</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; 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font-weight: bold; text-align: left">$</td> <td id="xdx_983_eus-gaap--PropertyPlantAndEquipmentNet_pn3n3_c20240930_zYfQ7Nvo5rn1" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Total">5,310</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_980_eus-gaap--PropertyPlantAndEquipmentNet_c20231231_pn3n3" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Total">20,086</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   During the three and nine months ended September 30, 2024, additions to property, plant and equipment of nil 0 and $28 thousand, respectively, for equipment. During the three and nine months ended September 30, 2023, additions to property, plant and equipment were $5.1 million and $9.0 million, respectively, primarily consisting of machines and assets related to the construction of the Hood Park facility. Additionally, on April 27, 2023, the Company entered into an agreement with ETTEL S.A. to purchase land in Kozani, Greece in the amount of €0.8 million.   During the nine months ended September 30, 2024, the Company disposed of leasehold improvements, sold machinery and disposed of other equipment with an aggregate net book value of $13.6 million for net proceeds of $0.9 million resulting in a loss of $12.7 million.   On June 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on June 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company. During the nine months ended September 30, 2024, the Company wrote off $9.8 million of leasehold improvements and $0.5 million of furniture as part of the exit of Hood Park. As of December 31, 2023, the Company had $10.4 million of leasehold improvements and $0.5 million of furniture that will be forfeited as part of the exit of Hood Park.   On May 7, 2024, the Company entered into an agreement to sell some of its coating machines (part of its property, plant and equipment) from the Hood Park facility for $0.9 million resulting in a loss of $2.5 million. On May 8, 2024, the Company received an initial deposit of $0.3 million and the remaining $0.6 million in July 2024. The remaining machinery and equipment from Hood Park were relocated and is planned for use at the Company's other locations.   Depreciation expense during the three months ended September 30, 2024 and 2023 was $0.2 million and $0.9 million, respectively. Depreciation expense for the nine months ended September 30, 2024 and 2023 was $1.0 1,157 million and $2.1 1,596 million, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">There are no collaterals or other commitments on the Company's property, plant and equipment.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_88B_eus-gaap--PropertyPlantAndEquipmentTextBlock_pn3n3_zJ4eqqZIDWbb" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Property, plant and equipment, net (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of property, plant and equipment, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
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</table>10140001263200061760001090800019110002591000910100026131000140700036610002384000-
2384000531000020086000028000510000090000000.0900000127000007500009800000500000104000005000000On May 7, 2024, the Company entered into an agreement to sell some of its coating machines (part of its property, plant and equipment) from the Hood Park facility for $0.9 million resulting in a loss of $2.5 million. On May 8, 2024, the Company received an initial deposit of $0.3 million and the remaining $0.6 million in July 2024. The remaining machinery and equipment from Hood Park were relocated and is planned for use at the Company's other locations.2000009000001157000159600000 9. Other non-current assets   Other non-current assets as of September 30, 2024 and December 31, 2023 are mostly comprised of guarantees to suppliers of $0.2 million and $0.2 million, respectively.   200000200000 10. Trade and other payables   Trade and other payables as of September 30, 2024 and December 31, 2023 include balances of suppliers and consulting service providers of $16.4 16,420 million and $4.0 3,996 million, respectively.   The increase in trade and other payables for the three months ended September 30, 2024 is driven by an $11.6 million payable between the Company and one of its Discontinued Subsidiaries which was previously eliminated as intercompany activity.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> 164200003996000116000000<p id="xdx_808_ecustom--OtherCurrentLiabilitiesTextBlock_zMkieh0ycp3h" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">11. Other current liabilities</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">As of September 30, 2024 and December 31, 2023, other current liabilities consist of the following:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_897_eus-gaap--OtherCurrentLiabilitiesTableTextBlock_pn3n3_z7VF2NWQpgsk" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Other current liabilities (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of other current liabilities</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_497_20240930_zqIXU7XqztYa" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_497_20231231_z1Jben3NAZp2" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">September 30,
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 2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">(Unaudited)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="padding-bottom: 1pt; font-weight: bold; text-align: center"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr id="xdx_400_eus-gaap--AccruedProfessionalFeesCurrent_iI_pn3n3_maALCzqvk_zsorkIh9oxTl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; text-align: left">Accrued expenses for legal and consulting fees</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">243</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">219</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--AccruedPayrollTaxesCurrent_iI_pn3n3_maALCzqvk_z35V6n9Vv5X3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Accrued payroll fees</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">39</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">139</td> <td style="text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--OtherAccruedLiabilitiesCurrent_iI_pn3n3_maALCzqvk_zucgAOP6CPOa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Other accrued expenses</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">281</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">295</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40A_eus-gaap--AccruedLiabilitiesCurrent_iTI_pn3n3_mtALCzqvk_zivjURMljOG6" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">563</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">653</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 24300021900039000139000281000295000563000653000 12. Leases   The Company enters into operating lease agreements for the use of real estate and certain other equipment. The Company determines if an arrangement contains a lease at inception, which is the date on which the terms of the contract are agreed to and the agreement creates enforceable rights and obligations. The impacts of accounting for operating leases are included in Right-of-use assets, Operating lease liabilities, and Long-term operating lease liabilities in the Company's consolidated balance sheets.   On February 5, 2021, the Company entered into a lease agreement by and among the Company, in its capacity as tenant, and BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord. The lease provides for the rental by the Company of office space at 200 Clarendon Street, Boston, MA 02116 for use as the Company's executive offices. Under the terms of the lease, the Company leases 6,041 square feet at an initial fixed annual rent of $0.5 million. The term of the lease is for five 5 years (unless terminated as provided in the lease) and commenced on April 1, 2021. The Company provided security in the form of a security deposit in the amount of $0.1 million which is included in Other non-current assets on the consolidated balance sheet as of December 31, 2023. On April 17, 2024, the landlord terminated the lease for past due rent totaling $0.2 million and seized the security deposit of $0.1 million.   On January 9, 2023, the Company entered into a sublease agreement by and among the Company, in its capacity as sublandlord, BP Hancock LLC, a Delaware limited liability company, in its capacity as landlord, and Hughes Boston, Inc. ("Hughes"), in its capacity as subtenant. The sublease provides for the rental by Hughes of office space at 200 Clarendon Street, Boston, MA 02116. Under the terms of the sublease, Hughes subleases 6,041 square feet at an initial fixed annual rent of $0.6 million and will increase 3.0% on each anniversary of the sublease commencement date. The term of the sublease is through March 2026 (unless terminated as provided in the sublease) and the sublease commencement date was February 1, 2023. The sublease was terminated on April 17, 2024 in connection with the termination of the lease agreement with BP Hancock LLC, in its capacity as landlord. <p

style="font: 10pt Times New Roman, Times, Serif; margin: 0"> During the three months ended September 30, 2024, and September 30, 2023, the Company recognized nil 0 and $0.1 million, respectively, in rent income. During the nine months ended September 30, 2024 and September 30, 2023, the Company recognized $0.1 million and $0.1 million in rent income, respectively. Rent income is included within sublease income in the unaudited condensed consolidated statement of operations.   Additionally, the Company's subsidiaries, Advent Technologies S.A. and Advent Technologies LLC, have in place rental agreements for the lease of office and factory spaces.   On March 8, 2021, the Company entered into a lease for 21,401 square feet as a product development and manufacturing center at Hood Park in Charlestown, MA. Under the terms of the lease, the Company will pay an initial fixed annual rent of $1.5 million. The lease has a term of eight 8.5 years and five months, with an option to extend for five 5 years, and commenced in October 2022. The Company is obliged to provide security in the form of a security deposit in the amount of $0.8 million before commencement of the lease.   On April 1, 2024, the Company agreed with the landlord of the Hood Park facility for a 4-month rate abatement period (March through June 2024) and extend the term of the lease for 4 additional months. On June 29, 2024, in an effort to reduce costs, the Company decided to abandon the facility at Hood Park and was able to find a new tenant to occupy the space. The Company and the landlord agreed to accelerate the expiration of the lease to occur on June 30, 2024. The Company had a letter of credit in the amount of $750 thousand in favor of the landlord and that letter of the credit was released to the landlord in satisfaction of any claims against the Company.   Rental expense for all operating leases was nil 0 and $0.3 million for the three months ended September 30, 2024, and 2023, respectively. For the three months ended September 30, 2024, and 2023, rental expense for short-term leases was nil 0 and $0.3 million, respectively.   Rental expense for all operating leases was $4.7 million and $1.7 million for the nine months ended September 30, 2024, and 2023, respectively. For the nine months ended September 30, 2024, and 2023, rental expense for short-term leases was $0.01 million and $0.4 million, respectively.   As of September 30, 2024, and December 31, 2023, the right of use assets, net associated with operating leases was $0.3 279 million and $3.2 3,157 million, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">As of September 30, 2024, undiscounted maturities of operating lease liabilities remaining are as follows (amounts in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_88C_eus-gaap--LesseeOperatingLeaseLiabilityMaturityTableTextBlock_pn3n3_zE5O3q7xQ3I2" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Leases (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of maturities of operating lease liabilities</td> <td></td> <td style="text-align: left"> </td> <td id="xdx_494_20240930_zefVby45jCY8" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; padding-left: 0.125in; text-align: center"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Operating
Leases</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Fiscal Year Ended December 31, </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths_iI_pn3n3_maLOLLPzLDJ_zzVUoc25evXk" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 88%; text-align: left">2024</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">35</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueYearTwo_iI_pn3n3_maLOLLPzLDJ_zWlex9SJOQBc" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2025</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">140</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueYearThree_iI_pn3n3_maLOLLPzLDJ_zFwLOR0f0Dr7" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2026</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">107</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40A_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueYearFour_iI_pn3n3_maLOLLPzLDJ_zwbwru9uko04" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2027</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">4</td> <td style="text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueYearFive_iI_pn3n3_maLOLLPzLDJ_zEjmby2uq86k" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">2028</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFive_iI_pn3n3_maLOLLPzLDJ_z2HFEhBICQ07" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Thereafter</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--LesseeOperatingLeaseLiabilityPaymentsDue_iTI_pn3n3_mtLOLLPzLDJ_zbHL308DeaOb" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.25in; font-weight: bold; text-align: left">Total undiscounted lease payments</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left">$</td> <td style="font-weight: bold; text-align: right">286</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--LesseeOperatingLeaseLiabilityUndiscountedExcessAmount_iNI_pn3n3_di_zmxGcPJicNB9" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Less: imputed interest</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(16</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_401_eus-gaap--OperatingLeaseLiability_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.25in; font-weight: bold; text-align: left">Total discounted lease payments</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left">$</td> <td style="font-weight: bold; text-align: right">270</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--OperatingLeaseLiabilityCurrent_iNI_pn3n3_di_zXf8zu2dvpy5" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Less: current portion</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(111</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_40E_eus-gaap--OperatingLeaseLiabilityNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Long-term lease liabilities</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">159</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>
6041500000P5Y10000010000006041600000010000010000021401150000P8Y6MP5Y8000007500000300000030000047000001700000100000.0040000027900031570000
<table cellpadding="0" cellspacing="0" id="xdx_88C_eus-gaap--LesseeOperatingLeaseLiabilityMaturityTableTextBlock_pn3n3_zE5O3q7xQ3I2" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Leases (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of maturities of operating lease liabilities</td> <td></td> <td style="text-align: left"> </td> <td id="xdx_494_20240930_zefVby45jCY8" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; padding-left: 0.125in; text-align: center"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Operating
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LesseeOperatingLeaseLiabilityPaymentsDue_iTI_pn3n3_mtLOLLPzLDJ_zbHL308DeaOb" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.25in; font-weight: bold; text-align: left">Total undiscounted lease payments</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left">$</td> <td style="font-weight: bold; text-align: right">286</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--LesseeOperatingLeaseLiabilityUndiscountedExcessAmount_iNI_pn3n3_di_zmxGcPJicNB9" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Less: imputed interest</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(16</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_401_eus-gaap--OperatingLeaseLiability_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.25in; font-weight: bold; text-align: left">Total discounted lease payments</td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left">$</td> <td style="font-weight: bold; text-align: right">270</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--OperatingLeaseLiabilityCurrent_iNI_pn3n3_di_zXf8zu2dvpy5" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Less: current portion</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(111</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_40E_eus-gaap--OperatingLeaseLiabilityNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Long-term lease liabilities</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">159</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>350001400001070004000286000160002700011100015900 0 13. Private Placement Warrants and Working Capital Warrants   In connection with the Business Combination, the Company assumed <span id="xdx_902_ecustom--ClassOfWarrantOrRightIssued_c20240101__20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--PrivatePlacementWarrantMember__us-gaap--SubsidiarySaleOfStockAxis__us-gaap--IPOMember_zT9SDtEN8Sl2" title="Warrants issued">131,343 Private Placement Warrants issued upon AMCI's initial public offering. In addition, upon the closing of the Business Combination, the working capital loan provided by AMCI's Sponsor to AMCI was converted into 13,333 Working Capital Warrants, which were also assumed. The terms of the Working Capital Warrants are the same as those of the Private Placement Warrants.   As of September 30, 2024 and December 31, 2023, the Company had an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants outstanding. Each Private Placement Warrant and Working Capital Warrant entitles the registered holder to purchase one <span id="xdx_904_eus-gaap--ClassOfWarrantOrRightNumberOfSecuritiesCalledByEachWarrantOrRight_c20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--PrivatePlacementWarrantMember_zHK2NsK6O9Z1" style="display: none" title="Number of shares called by each warrant">1 share of Common Stock at a price of $345.00 per share, subject to adjustment, at any time commencing <span id="xdx_900_ecustom--PeriodToExerciseWarrantsAfterBusinessCombination_dtD_c20240101__20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--WorkingCapitalWarrantsMember_znGXfjkZ10h9" title="Period to exercise warrants after business combination">30 days after the completion of the Business Combination. The Public Warrants expire five <span id="xdx_905_eus-gaap--WarrantsAndRightsOutstandingTerm_iI_dtY_c20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--PrivatePlacementWarrantMember_ztRz4HAmrE5d" style="display: none" title="Warrants expiration period">5 years after the closing of the Business Combination or earlier upon redemption or liquidation.   The Private Placement Warrants and Working Capital Warrants are identical to the Public Warrants, except that the Private Placement Warrants and Working Capital Warrants and the common stock issuable upon the exercise of those warrants were not transferable, assignable or salable until <span id="xdx_906_ecustom--PeriodNotToTransferAssignOrSellWarrants_dtD_c20240101__20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--WorkingCapitalWarrantsMember_zqBeMYryPBx2" title="Period not to transfer, assign or sell warrants">30 days after the completion of a Business Combination, subject to certain limited exceptions. Additionally, the Private Placement Warrants and Working Capital Warrants are exercisable on a cashless basis and be non-redeemable so long as they are held by the initial purchasers or their permitted transferees. If those warrants are held by someone other than the initial purchasers or their permitted transferees, they will be redeemable by the Company and exercisable by such holders on the same basis as the Public Warrants. As of September 30, 2024, an aggregate of 65,671 Private Placement Warrants and Working Capital Warrants are held by its initial purchasers.   According to the provisions of the Private Placement Warrants and Working Capital Warrants warrant agreements, the exercise price and number of shares of common stock issuable upon exercise of those warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. Private Placement Warrants and Working Capital Warrants are classified as liabilities in accordance with the Company's evaluation of the provisions of ASC 815-40-15, which provides that a warrant is not indexed to the issuer's common stock if the terms of the warrant require an adjustment to the exercise price upon a specified event and that event is not an input to the fair value of the warrant with a fixed exercise price and fixed number of underlying shares.   131343656719656711345.00P30DP5YP30D 14. Stockholders' Equity   Shares Authorized   As of September 30, 2024, the Company had authorized a total of 501,000,000 shares for issuance with 500,000,000 shares designated as common stock, par value $0.0001 per share, and 1,000,000 shares designated as preferred stock, par value $0.0001 per share.   Common Stock   From February 2, 2024, through March 28, 2024, 24,976 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $0.1 million   From April 1, 2024, through April 15, 2024, 31,373 shares of common stock were issued in connection with the At the Market Offering with H.C. Wainwright & Co., LLC for net proceeds of $<span id="xdx_909_eus-gaap--ProceedsFromIssuanceOfCommonStock_pn3n3_dm_c20240401__20240415__srt--CounterpartyNameAxis__custom--H.C.WainwrightAndCo.LLCMember_zDJZI5p03qw2" title="Proceeds from sale of common stock">0.2 million.   As of September 30, 2024, and December 31, 2023, there were 2,636,508 and 2,580,159 shares of issued and outstanding common stock with a par value of $0.0001 per share, respectively.   Reverse Stock Split   On April 29, 2024 and April 30, 2024, our stockholders and Board, respectively, approved a reverse stock split of our Common Stock, at a ratio of 1-for-30 (the "Reverse Stock Split"), as of the Effective Date. The Effective Date of the Reverse Stock Split with the Secretary of the Commonwealth of Massachusetts was 5:00 p.m. on May 13, 2024 and May 14, 2024 in the marketplace.   On May 13, 2024, the Company completed a 1-for-30 reverse stock split.   On the Effective Date, the total number of shares of our Common Stock held by each shareholder was converted automatically into the number of whole shares of Common Stock equal to (i) the number of issued and outstanding shares of Common Stock held by such shareholder immediately prior to the Reverse Stock Split, divided by (ii) 30.   No fractional shares were issued in connection with the Reverse Stock Split, and stockholders who would otherwise be entitled to a fractional share received a proportional cash payment in April 2024. The Reverse Stock Split did not have any effect on the stated par value of the Company's Common Stock. The rights and privileges of the holders of shares of Common Stock will be unaffected by the Reverse Stock Split.   The Company is authorized to issue 501,000,000 shares of Common Stock and that number did not change as a result of the Reverse Stock Split.   The consolidated financial statements and footnote disclosures have been updated to reflect the retrospective effect of the reverse stock split for all periods presented.   At the Market Offering Agreement   On June 2, 2023, the Company entered into an At The Market Offering Agreement (the "ATM Agreement") with H.C. Wainwright & Co., LLC, as sales agent (the "Agent"), to create an at-the-market equity program under which it may sell up to $50 million of shares of the Company's common stock (the "Shares") from time to time through the Agent (the "ATM Offering"). Under the ATM Agreement, the Agent will be entitled to a commission at a fixed rate of 3.0% of the gross proceeds from each sale of Shares under the ATM Agreement.   Sales of the Shares, if any, under the ATM Agreement may be made in transactions that are deemed to be "at-the-market equity offerings" as defined in Rule 415 under the Securities Act, including sales made by means of ordinary brokers' transactions, including on the Nasdaq Capital Market, at prevailing market prices at the time of sale or as otherwise agreed with the Agent. The Company has no obligation to sell, and the Agent is not obligated to buy or sell, any of the Shares under the Agreement and may at any time suspend offers under the Agreement or terminate the Agreement. The ATM Offering will terminate upon the termination of the ATM Agreement as permitted therein. The Shares will be issued pursuant to the Company's previously filed Registration Statement on Form S-3 (File No. 333-271389) that was declared effective on May 2, 2023, and a prospectus supplement and accompanying prospectus relating to the ATM Offering filed with the SEC on June 2, 2023.   Deferred offering costs associated with the ATM Agreement are reclassified to additional paid in capital on a pro-rata basis when the Company completes offerings under the ATM Agreement. Any remaining deferred costs will be expensed to the statements of operations should the planned offering be terminated.   Public Warrants   In connection with the Business Combination, the Company assumed the Public Warrants issued upon AMCI's initial public offering.   As of December 31, 2020, the Company had <span id="xdx_90D_eus-gaap--ClassOfWarrantOrRightOutstanding_iI_pid_c20240930__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_zpBGiUEgxaoi"

title="Warrants outstanding (in shares)">735,069 Public Warrants outstanding. Each Public Warrant entitles the registered holder to purchase one share of common stock at a price of $<span id="xdx_90F_eus-gaap--ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1_iI_pid_c20240930__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_z29vz5zGvWie" title="Exercise price of warrant (in dollars per share)">345.00 per share, subject to adjustment, at any time commencing 30 days after the completion of the Business Combination. The Public Warrants will expire five years after the completion of the Business Combination or earlier upon redemption or liquidation. During the second quarter of 2021, certain warrant holders exercised their option to purchase an additional <span id="xdx_908_ecustom--StockIssuedDuringPeriodSharesWarrantExercises_pid_c20211001__20211231__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_z6UZ5Mw3Rkdf" title="Increase in shares outstanding (in shares)">760 shares at $<span id="xdx_90A_eus-gaap--ClassOfWarrantOrRightExercisePriceOfWarrantsOrRights1_iI_pid_c20211231__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_zT4ycog9aTnj" title="Exercise price of warrant (in dollars per share)">345.00 per share. These exercises generated $262,177 additional proceeds to the Company and increased the Company's shares outstanding by <span id="xdx_901_eus-gaap--ClassOfWarrantOrRightNumberOfSecuritiesCalledByWarrantsOrRights_iI_pid_c20211231__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_ztu6zd1ZfDCf" title="Warrant holders exercised options to purchase additional shares (in shares)">760 shares. During 2023, one original Private Warrant Holder sold all their Private Placement Warrants resulting in a reclassification to Public Warrants. Following these exercises, as of September 30, 2024, the Company's Public Warrants amounted to <span id="xdx_90F_eus-gaap--ClassOfWarrantOrRightOutstanding_iI_pid_c20240930__us-gaap--ClassOfWarrantOrRightAxis__custom--PrivatePlacementWarrantsMember_zPHkYw5Wtoid" title="Warrants outstanding (in shares)">813,314.   Once the warrants become exercisable, the Company may redeem the Public Warrants: <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">-</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">in whole and not in part;</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td> <td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">-</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">at a price of $<span id="xdx_909_ecustom--ClassOfWarrantOrRightRedemptionPrice_iI_pid_c20240930__us-gaap--ClassOfWarrantOrRightAxis__us-gaap--WarrantMember_z2cusLJPW9n1" title="Warrant redemption price (in dollars per share)">0.01 per warrant;</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">-</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">upon not less than 30 days' prior written notice of redemption;</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">-</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">if, and only if, the reported last sale price of the Company's Common Stock equals or exceeds $540.00 per share for any 20 trading days within a 30-trading day period ending three business days before the Company sends the notice of redemption to the warrant holders; and</td> </tr> </table>   <table border="0" cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; width: 100%; border-collapse: collapse"> <tr> <td style="vertical-align: top; width: 0.25in; text-align: right; vertical-align: top"></td><td style="vertical-align: top; width: 0.25in; text-align: left; text-indent: 0in; vertical-align: top">-</td> <td style="vertical-align: top; text-align: justify; text-indent: 0in">if, and only if, there is a current registration statement in effect with respect to the shares of Common Stock underlying such warrants.</td> </tr> </table>   If the Company calls the Public Warrants for redemption, management will have the option to require all holders that wish to exercise the Public Warrants to do so on a "cashless basis," as described in the warrant agreement. The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances including in the event of a stock dividend, or recapitalization, reorganization, merger or consolidation. However, the warrants will not be adjusted for issuance of Common Stock at a price below its exercise price. In addition, the warrant agreement provides that in case of a tender offer or exchange that involves 50% or more of the Company's stockholders, the Public Warrants may be settled in cash, equity securities or other assets depending on the kind and amount received per share by the holders of the common stock in such consolidation or merger that affirmatively make such election.   The Public Warrants are classified in equity in accordance with the Company's evaluation of the provisions of ASC 480 and ASC 815. The Company analyzed the terms of the Public Warrants and concluded that there are no terms that provide that the warrant is not indexed to the issuer's common stock. The Company also analyzed the tender offer provision discussed above and considering that upon the Closing of the Business Combination the Company has a single class of common shares, concluded that the exception discussed in ASC 815-40-25 applies, and thus equity classification is not precluded.   Stock-Based Compensation Plans   2021 Equity Incentive Plan   The Company's Board of Directors (sometimes referred to herein as the "Board") and stockholders previously approved the 2021 Equity Incentive Plan (the "Plan") to reward certain employees and directors of the Company. The Plan has been established to advance the interests of the Company by providing for the grant to Participants of Stock and Stock-based Awards. The maximum number of shares of Common Stock that may be delivered in satisfaction of Awards under the Plan is 569,273 shares. On April 29, 2024, the stockholders voted to increase the number of shares of Common Stock issuable under the Company's 2021 Equity Incentive Plan from 230,530 to 569,306.   Stock Options   Pursuant to and subject to the terms of the Plan the Company entered into separate Stock Option Agreements with each participant according to which each participant is granted an option (the "Stock Option") to purchase up to a specific number of shares of common stock set forth in each agreement with an exercise price equal to the market price of Company's common stock at the date of grant. The Company did not grant Stock Options during the three and nine months ended September 30, 2024.   Stock Options are granted to each participant in connection with their employment with the Company. The Stock Options vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period for the stock options. The Company recognized compensation cost of $0.6 million and $2.0 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended September 30, 2024, respectively. The Company recognized compensation cost of $0.8 million and $2.5 million in respect of Stock Options granted, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended September 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The following table summarizes the activities for our unvested stock options for the nine months ended September 30, 2024:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_89F_eus-gaap--ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock_pn3n3_z2a9mjZE3Hw6" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Stockholders Equity (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of activities for unvested stock</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Number of
 options</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"> <p style="margin-top: 0; margin-bottom: 0">Weighted
 Average
 Grant Date</p> <p style="margin-top: 0; margin-bottom: 0">Fair Value</p></td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; font-weight: bold; text-align: left">Unvested as of December 31, 2023</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_z1anNE2iuPG1" style="width: 9%; font-weight: bold; text-align: right" title="Number of options unvested at beginning">57,894</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zHN0iMAhfrD6" style="width: 9%; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at beginning">124.24</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Vested</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_980_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedNumberOfShares_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zNnNz1g71qEc" style="text-align: right" title="Number of options vested">(21,920</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td id="xdx_989_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zjshvWamG0lc" style="text-align: right" title="Weighted average grant date fair value, vested">134.19</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Forfeited</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_988_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedNumberOfShares_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_ztnhax7Zkh8h" style="border-bottom: Black 1pt solid; text-align: right" title="Number of options forfeited">(11,948</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98A_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zgRNHlFNpijb" style="border-bottom: Black 1pt solid; text-align: right" title="Weighted average grant date fair value, forfeited">96.94</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Unvested as of September 30, 2024

</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_984_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zFLCmnI6qOA5" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Number of options unvested at end">24,026</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zBqBmP0qqiAe" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at end">128.75</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   As of September 30, 2024, there was $<span id="xdx_90C_eus-gaap--EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized_iI_pn3n3_dm_c20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zN3sfntucrw8" title="Unrecognized compensation cost">1.4 million of unrecognized compensation cost related to unvested Stock Options. This amount is expected to be recognized over the remaining vesting period of Stock Options.   Restricted Stock Units   Pursuant to and subject to the terms of the Plan the Company entered into separate Restricted Stock Units (“RSUs”) with each participant. On the grant date of RSUs, the Company grants to each participant a specific number of RSUs as set forth in each agreement, giving each participant the conditional right to receive without payment one share of common stock. The RSUs are granted to each participant in connection with their ongoing employment with the Company. The Company has in place Restricted Stock Unit Agreements that vest within one year and Restricted Stock Unit Agreements that vest on a graded basis over four years. The Company has a policy of recognizing compensation cost on a straight-line basis over the total requisite service period. The Company recognized compensation cost of $1.4 million and $4.0 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended September 30, 2024, respectively. The Company recognized compensation cost of $1.6 million and $4.9 million in respect of RSUs, which is included in administrative and selling expenses in the consolidated statements of operations for the three and nine months ended September 30, 2023, respectively. The Company also has a policy of accounting for forfeitures when they occur. The Company did not grant RSUs during the nine months ended September 30, 2024.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The following table summarizes the activities for our unvested RSUs for the nine months ended September 30, 2024:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_899_eus-gaap--ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock_pn3n3_z04Jqzbr83Mk" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Stockholders Equity (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of restricted stock units granted</td> <td style="text-align: left"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Number of
Shares</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Weighted
 Average
 Grant Date
Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; font-weight: bold; text-align: left">Unvested as of December 31, 2023</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z2WS7ni7uSDb" style="width: 9%; font-weight: bold; text-align: right" title="Number of shares unvested at beginning">67,894</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z8oMkdviBa4j" style="width: 9%; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at beginning">200.1</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Vested</td> <td style="text-align: left"> </td> <td style="text-align: left"> </td> <td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zHdFWRALLdZ1" style="text-align: right" title="Number of shares vested">(29,503</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zq8h6oXiYxR4" style="text-align: right" title="Weighted average grant date fair value vested">198.95</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Forfeited</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zOjwx052Vtu7" style="border-bottom: Black 1pt solid; text-align: right" title="Number of shares forfeited">(14,275</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_982_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zhNZPGFGNpd3" style="border-bottom: Black 1pt solid; text-align: right" title="Weighted average grant date fair value forfeited">126.55</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Unvested as of September 30, 2024</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98D_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zZ9kJuicOsNi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Number of shares unvested at end">24,116</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_988_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z6hUGn0XwzFj" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at end">244.63</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   As of September 30, 2024, there was $2.5 million of unrecognized compensation cost related to unvested RSUs. This amount is expected to be recognized over the remaining vesting period of Restricted Stock Unit Agreements.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> 5010000005000000000.000110000000.000124976311373200000263650825801591-for-301-for-305010000007350693 45.00760345.0026217700076081331 40.01P30D540.005692736000002000000.080000025000 00<table cellpadding="0" cellspacing="0" id="xdx_89F_eus-gaap--ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock_pn3n3_z2a9mjZE3Hw6" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Stockholders Equity (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of activities for unvested stock</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Number of
 options</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center"><p style="margin-top: 0; margin-bottom: 0">Weighted
 Average
 Grant Date</p> <p style="margin-top: 0; margin-bottom: 0">Fair Value</p></td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; font-weight: bold; text-align: left">Unvested as of December 31, 2023</td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_z1anNE2iuPG1" style="width: 9%; font-weight: bold; text-align: right" title="Number of options unvested at beginning">57,894</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zHN0iMAhfrD6" style="width: 9%; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at beginning">124.24</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Vested</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_980_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedNumberOfShares_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zNnNz1g71qEc" style="text-align: right" title="Number of options vested">(21,920</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td id="xdx_989_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsVestedWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zjshvWamG0lc" style="text-align: right" title="Weighted average grant date fair value, vested">134.19</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Forfeited</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_988_eus-gaap--

SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedNumberOfShares_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_ztnhax7Zkh8h" style="border-bottom: Black 1pt solid; text-align: right" title="Number of options forfeited">(11,948</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_98A_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedOptionsForfeitedWeightedAverageGrantDateFairValue_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zgRNHlFNpijb" style="border-bottom: Black 1pt solid; text-align: right" title="Weighted average grant date fair value, forfeited">96.94</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Unvested as of September 30, 2024</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedNumberOfShares_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zFICmnI6qOA5" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Number of options unvested at end">24,026</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementBySharebasedPaymentAwardOptionsNonvestedWeightedAverageGrantDateFairValue_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zBqBmP0qqiAe" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at end">128.75</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>
57894124.242192134.191194896.9424026128.75140000014000004000000.0160000004900000<table cellpadding="0" cellspacing="0" id="xdx_899_eus-gaap--ScheduleOfShareBasedCompensationRestrictedStockUnitsAwardActivityTableTextBlock_pn3n3_z04Jqzbr83Mk" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Stockholders Equity (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Schedule of restricted stock units granted</td> <td style="text-align: left"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Number of
Shares</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Weighted
 Average
 Grant Date
Fair Value</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 76%; font-weight: bold; text-align: left">Unvested as of December 31, 2023</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber_iS_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z2WS7ni7uSDb" style="width: 9%; font-weight: bold; text-align: right" title="Number of shares unvested at beginning">67,894</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td> <td style="width: 1%; font-weight: bold"> </td> <td style="width: 1%; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue_iS_pid_c20240101__20
gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z8oMkdviBa4j" style="width: 9%; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at beginning">200.1</td> <td style="width: 1%; font-weight: bold; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left">Vested</td> <td style="text-align: left"> </td> <td style="text-align: left"> </td> <td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriod_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zHdFWRALLdZ1" style="text-align: right" title="Number of shares vested">(29,503</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsVestedInPeriodWeightedAverageGrantDateFairValue_pid_c20240101__
gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zq8h6oXiYxR4" style="text-align: right" title="Weighted average grant date fair value vested">198.95</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 1pt; text-align: left">Forfeited</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeitedInPeriod_iN_pid_di_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zOjwx052Vtu7" style="border-bottom: Black 1pt solid; text-align: right" title="Number of shares forfeited">(14,275</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left">$</td> <td id="xdx_982_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsForfeituresWeightedAverageGrantDateFairValue_pid_c20240101__202
gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zhNZPGFGNpd3" style="border-bottom: Black 1pt solid; text-align: right" title="Weighted average grant date fair value forfeited">126.55</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; padding-bottom: 2.5pt; font-weight: bold; text-align: left">Unvested as of September 30, 2024</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98D_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedNumber_iE_pid_c20240101__20240930__us-gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_zZ9kJuicOsNi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Number of shares unvested at end">24,116</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_988_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardEquityInstrumentsOtherThanOptionsNonvestedWeightedAverageGrantDateFairValue_iE_pid_c20240101__20
gaap--AwardTypeAxis__us-gaap--RestrictedStockUnitsRSUMember_z6hUGn0XwzFj" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Weighted average grant date fair value unvested at end">244.63</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>
67894200.129503198.9514275126.5524116244.632500000 15. Revenue   Revenue is analyzed as follows: <table cellpadding="0" cellspacing="0" id="xdx_89C_eus-gaap--DisaggregationOfRevenueTableTextBlock_pn3n3_zCmwaBZsBeo4" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Revenue (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Schedule of revenue</td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Three Months Ended September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Nine Months Ended
 September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: top; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; width: 52%; text-align: left">Sales of goods</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_988_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__srt--ProductOrServiceAxis__custom--SalesOfGoodsMember_zarndvRcARW" style="width: 9%; text-align: right" title="Revenue from contracts with customers">128</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_988_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__srt--ProductOrServiceAxis__custom--SalesOfGoodsMember_z8gwkdOzd5Te" style="width: 9%; text-align: right" title="Revenue from contracts with customers">112</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_987_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__srt--ProductOrServiceAxis__custom--SalesOfGoodsMember_zcyVA9amq18k" style="width: 9%; text-align: right" title="Revenue from contracts with customers">1,852</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_981_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--ProductOrServiceAxis__custom--SalesOfGoodsMember_z2atoz9PuZ88" style="width: 9%; text-align: right" title="Revenue from contracts with customers">-</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Sales of services</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; 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text-align: right" title="Revenue from contracts with customers">1,668</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_989_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--ProductOrServiceAxis__us-gaap--ServiceMember_ztXanR3PUPpg" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total revenue from contracts with customers</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--

RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930_z3uHIOpkd0h8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">128</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930_zY7FpUFG6xQd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">112</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930_zt8n4B0Fpydj" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_987_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930_zWtSIpIBHRvi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The timing of revenue recognition is analyzed as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Three Months Ended
 September 30,</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Nine Months Ended
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padding-left: 0.125in">Revenue recognized at a point in time</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_983_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zfjVl8FPWSWg" style="width: 9%; text-align: right" title="Revenue from contracts with customers">128</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_984_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_z0h2WgtmkDC" style="width: 9%; text-align: right" title="Revenue from contracts with customers">112</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98A_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zaS67QxMtSOf" style="width: 9%; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98F_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zJVihK6Znc4j" style="width: 9%; text-align: right" title="Revenue from contracts with customers">222</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-bottom: 1pt; padding-left: 0.125in">Revenue recognized over time</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zisLrWMC3oJi" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_984_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zQkVXWMocxva" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zS0sbWkirMb" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; 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font-weight: bold; text-align: right" title="Revenue from contracts with customers">128</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930_zhTjcW7ADjRc" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">112</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930_zXOtQRo6JoHi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930_zbI77tKBxKS5" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   As of September 30, 2024, and December 31, 2023, Advent recognized contract assets of nil 0 and $9 thousand, respectively, on the consolidated balance sheets.   As of September 30, 2024, and December 31, 2023, Advent recognized contract liabilities of $1.2 million and $0.4 million, respectively, in the consolidated balance sheets. During the nine months ended September 30, 2024, the Company recognized the amount of $0.1 million in revenues.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" id="xdx_89C_eus-gaap--DisaggregationOfRevenueTableTextBlock_pn3n3_zCmwaBZsBeo4" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Revenue (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt">Schedule of revenue</td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Three Months Ended</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">September 30,</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Nine Months Ended
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text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98A_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__srt--ProductOrServiceAxis__us-gaap--ServiceMember_z9Y3c4AcBts6" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers"></td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98F_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__srt--ProductOrServiceAxis__us-gaap--ServiceMember_zj7NfMiXJyM9" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">1,668</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_989_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--ProductOrServiceAxis__us-gaap--ServiceMember_ztXanR3PUPpg" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total revenue from contracts with customers</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98D_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930_z3uHIQpkd0h8" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">128</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98C_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930_zY7FpUFG6xQd" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">112</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_989_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930_zt8n4B0Fpydj" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_987_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930_zWtSIpIBHRvi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: justify">The timing of revenue recognition is analyzed as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom"> <td style="padding-bottom: 1pt; vertical-align: bottom; text-align: left"></td><td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Three Months Ended
 September 30,</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">Nine Months Ended
 September 30,</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0; text-align: center">(Unaudited)</p> </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; font-style: normal; vertical-align: top; font-weight: normal; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Timing of revenue recognition</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; width: 52%; text-align: left; padding-left: 0.125in">Revenue recognized at a point in time</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_983_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zfjVl8FPWSWg" style="width: 9%; text-align: right" title="Revenue from contracts with customers">128</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_984_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_z0h2WgtmkDC" style="width: 9%; text-align: right" title="Revenue from contracts with customers">112</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98A_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zaS67QxMtSOf" style="width: 9%; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98F_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zJVihK6Znc4j" style="width: 9%; text-align: right" title="Revenue from contracts with customers">222</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-bottom: 1pt; padding-left: 0.125in">Revenue recognized over time</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zisLrWMC3oJi" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_984_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zQkVXWMocxva" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zS0sbWkirMb" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zFdTutPwa1Qd" style="border-bottom: Black 1pt solid; text-align: right" title="Revenue from contracts with customers">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt; padding-left: 0.125in">Total revenue from contracts with customers</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_982_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930_zHeAAXB1WQY" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">128</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930_zhTjcW7ADjRc" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">112</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98A_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930_zXOtQRo6JoHi" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">3,520</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930_zbI77tKBxKS5" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Revenue from contracts with customers">222</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table> 12800011200018520001668000222000128000112000352000022200012800011200035200002220001280001120003520000222000090001200004000001000000 16. Collaborative Arrangements   Cooperative Research and Development Agreement   In August 2020, the Company entered into a Cooperative Research and Development Agreement (“CRADA”) with Triad National Security, LLC (“TRIAD”), Alliance for Sustainable Energy LLC (“ASE”), and Brookhaven Science Associates (“BSA”). The purpose of this project is to build a fuel cell prototype that moves this technology closer to commercial readiness which was sanctioned by the Los Alamos National Laboratory and the National Renewable Energy Laboratory. The Government’s estimated total contribution, which is provided through TRIAD’s, ASE’s, and BSA’s respective contracts with the Department of Energy is $<span id="xdx_90B_ecustom--EstimatedContributionOfProject_iI_pn3n3_dm_c20200831__us-gaap--TypeOfArrangementAxis__custom--CooperativeResearchAndDevelopmentAgreementMember_zL1rY0gZaL83" title="Estimated total contribution of project">1.2 million, subject to available funding. As a part of the CRADA, the Company is required to contribute $<span id="xdx_909_ecustom--PaymentsMadeUnderCooperativeResearchAndDevelopmentAgreementInCash_pn3n3_dm_c20200801__20200831__us-gaap--TypeOfArrangementAxis__custom--CooperativeResearchAndDevelopmentAgreementMember_zgawaa0LUY9f" title="Contribution in cash">1.2 million in cash and $<span id="xdx_909_eus-gaap--PaymentsToEmployees_pn3n3_dm_c20200801__20200831__us-gaap--TypeOfArrangementAxis__custom--CooperativeResearchAndDevelopmentAgreementMember_zQ0dOY74DOg3" title="Contribution in-kind, personnel salaries">0.6 million of in-kind contributions, such as personnel salaries. The cash payments are capitalized and amortized on a straight-line basis over the life of the contract. In-kind contributions are expensed as incurred. To date, the Company has not recognized any revenue from the CRADA. In December 2022, the term of the agreement was extended until March 3, 2024. In January 2024, the term of the agreement was extended until September 3, 2024.   Expenses from Collaborative Arrangements   For the three and nine months ended September 30, 2024, an amount of

nil <span id="xdx_90C_eus-gaap--ResearchAndDevelopmentExpense_pn3n3_c20240701__20240930__us-gaap--TypeOfArrangementAxis__us-gaap--CollaborativeArrangementMember_zzhbUgZZvxjd" style="display: none" title="Research and development expenses">0 and $<span id="xdx_90B_eus-gaap--ResearchAndDevelopmentExpense_pn3n3_dm_c20240101__20240930__us-gaap--TypeOfArrangementAxis__us-gaap--CollaborativeArrangementMember_z5RQS6MFHVo6" title="Research and development expenses">0.1 million has been recognized in research and development expenses on the unaudited condensed consolidated statements of operations, respectively. For the three and nine months ended September 30, 2023, an amount of $<span id="xdx_90E_eus-gaap--ResearchAndDevelopmentExpense_pn3n3_dm_c20230701__20230930__us-gaap--TypeOfArrangementAxis__us-gaap--CollaborativeArrangementMember_zM3K67bNidpb" title="Research and development expenses">0.2 million and $<span id="xdx_907_eus-gaap--ResearchAndDevelopmentExpense_pn3n3_dm_c20230101__20230930__us-gaap--TypeOfArrangementAxis__us-gaap--CollaborativeArrangementMember_z6Hd5NLo2kWb" title="Research and development expenses">1.5 million has been recognized in research and development expenses on the consolidated statements of operations, respectively.   120000012000006000000100000200000150000 17. Income Taxes   To calculate the interim tax provision, at the end of each interim period the Company estimates the annual effective tax rate and applies that to its ordinary quarterly earnings. The effect of changes in the enacted tax laws or rates is recognized in the interim period in which the change occurs. The computation of the annual estimated effective tax rate at each interim period requires certain estimates and judgments including, but not limited to, the expected operating income for the year, projections of the proportion of income earned and taxed in foreign jurisdictions, permanent differences between book and tax amounts, and the likelihood of recovering deferred tax assets generated in the current year. The accounting estimates used to compute the provision for income taxes may change as new events occur, additional information is obtained, or the tax environment changes.   During the three and nine months ended September 30, 2024, the Company recorded income tax benefit of nil 0 and $0.1 55 million, respectively, mainly related to net operating loss carryforwards. During the three and nine months ended September 30, 2023, the Company recorded income tax benefits of $80 81 thousand and $0.2 204 million, respectively, mainly related to the Company's recoverability assessment of research and development tax credits in Denmark. As of September 30, 2024, and December 31, 2023, the Company provided a valuation allowance to offset the deferred tax asset related to the net operating loss carryforwards in Denmark.   -0-55000-81000-204000 18. Segment Reporting and Information about Geographical Areas   Reportable Segments   The Company develops and manufactures high-temperature proton exchange membranes ("HT-PEM" or "HT-PEMs") and fuel cell systems for the off-grid and portable power markets and plans to expand into the mobility market. The Company's current revenue is derived from the sale of fuel cell systems and from the sale of MEAs, membranes, and electrodes for specific applications in the fuel cell and energy storage (flow battery) markets. The research and development activities are viewed as another product line that contributes to the development, design, production and sale of fuel cell products; however, it is not considered a separate operating segment. The Company has identified one 1 business segment.   Geographic Information   The following table presents revenues, by geographic location (based on the location of the entity selling the product) for the three and nine months ended September 30, 2024 and 2023:   <table cellpadding="0" cellspacing="0" id="xdx_883_eus-gaap--RevenueFromExternalCustomersByGeographicAreasTableTextBlock_pn3n3_zL7V6NtfyDe4" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Segment Reporting and Information about Geographical Areas (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; text-align: left; padding-left: 0.125in">Schedule of revenues, by geographic location</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td>

align: bottom"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Three Months Ended
 September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Nine Months Ended
 September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; width: 52%; text-align: left; padding-left: 0.125in">North America</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98D_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__srt--StatementGeographicalAxis__srt--NorthAmericaMember_zklItNRd4UV8" style="width: 9%; text-align: right" title="Net sales">128</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_981_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__srt--StatementGeographicalAxis__srt--NorthAmericaMember_zdljZVfvRCF2" style="width: 9%; text-align: right" title="Net sales">63</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_981_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__srt--StatementGeographicalAxis__srt--NorthAmericaMember_ztAaWafIFBq2" style="width: 9%; text-align: right" title="Net sales">3,052</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td id="xdx_98D_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--StatementGeographicalAxis__srt--NorthAmericaMember_z4fOTteC85y4" style="width: 9%; text-align: right" title="Net sales">173</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; text-align: left; padding-left: 0.125in">Europe</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_981_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__srt--StatementGeographicalAxis__srt--EuropeMember_zb71R9Urj12I" style="text-align: right" title="Net sales">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_980_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__srt--StatementGeographicalAxis__srt--EuropeMember_zKjXVOiv2Bzb" style="text-align: right" title="Net sales">49</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_989_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__srt--StatementGeographicalAxis__srt--EuropeMember_zLz6Kc12CNcb" style="text-align: right" title="Net sales">468</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_98C_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--StatementGeographicalAxis__srt--EuropeMember_zdfxmWBg4rN1" style="text-align: right" title="Net sales">49</td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; text-align: left; padding-bottom: 1pt; padding-left: 0.125in">Asia</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98E_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930__srt--StatementGeographicalAxis__srt--AsiaMember_zJbZv3KRIEFb" style="border-bottom: Black 1pt solid; text-align: right" title="Net sales">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_983_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930__srt--StatementGeographicalAxis__srt--AsiaMember_zYOVdScomfT8" style="border-bottom: Black 1pt solid; text-align: right" title="Net sales">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_983_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930__srt--StatementGeographicalAxis__srt--AsiaMember_z24y08HKQ3Z1" style="border-bottom: Black 1pt solid; text-align: right" title="Net sales">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98B_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930__srt--StatementGeographicalAxis__srt--AsiaMember_zVTHGRYtaL5f" style="border-bottom: Black 1pt solid; text-align: right" title="Net sales">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; font-weight: bold; text-align: left; padding-bottom: 2.5pt; padding-left: 0.125in">Total net sales</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240701__20240930_zrsqId0FPP45" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net sales">128</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_986_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230701__20230930_zHqEGnevj3Hc" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net sales">112</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98B_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20240101__20240930_zvcZWyuDDCR9" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net sales">3,520</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_985_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_c20230101__20230930_zUZFv1YZcbQ4" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Net sales">222</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr>
</table>1280006300030520001730004900046800049000128000112000352000022000 19. Commitments and contingencies   Litigation   The Company is subject to legal and regulatory actions that arise from time to time in the ordinary course of business. The assessment as to whether a loss is probable or reasonably possible, and as to whether such loss or a range of such loss is estimable, often involves significant judgment about future events.   On June 7, 2023, the Company was served a Request for Arbitration from F.E.R. fischer Edelstahlrohre GmbH ("F.E.R."), pursuant to the arbitration provisions of the Share Purchase Agreement dated June 25, 2021 whereby the Company acquired SerEnergy and FES, which acquisition closed on August 31, 2021. The arbitration was held in Frankfurt am Main, Germany in accordance with the Arbitration Rules of the German Arbitration Institute, and the parties presented closing arguments in May 2024. F.E.R. is asserting that it is due approximately €4.5 million based on the cap and corresponding value of the share consideration at the date of closing. On August 16, 2024, the Company was informed that an arbitration decision and award was decided in favor of F.E.R. in the amount of approximately €4.5 million. On November 18, 2024, the Company filed a motion with the Higher Regional Court of Frankfurt to set aside the arbitral award. At this time, the Company cannot accurately predict the outcome of this matter, however, has recorded a loss contingency in the amount of $4.9 million, accrued interest expense of $0.3 million for a total of $5.2 million accrued loss liability as of September 30, 2024.   There is no other material pending or threatened litigation against the Company that remains outstanding as of September 30, 2024, that is considered probable or reasonably possible.   Guarantee letters   The Company had contingent liabilities in relation to performance guarantee letters and other guarantees provided to third parties that arise from its normal business activity and from which no substantial charges are expected to arise. As of September 30, 2024 and December 31, 2023, the Company did not hold any letters of guarantee.   Contractual obligations   In December 2021, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and BASF New Business GmbH, in its capacity as Seller. The supply agreement provides for the purchase by the Company of 21,000m2 (Minimum Quantity) of membrane from BASF during the contract duration from January 1, 2022 until December 31, 2025. The Company has not purchased any additional quantities in 2024 under this agreement and on July 12, 2024, has formally requested to terminate the supply contract.   In June 2022, the Company entered into a supply agreement by and among the Company, in its capacity as Customer, and Shin-Etsu Polymer Singapore Pte, Ltd ("Shin-Etsu"), in its capacity as Seller. The supply agreement provides for the purchase by the Company of 318,400 pieces (Minimum Quantity) of bipolar plates from Shin-Etsu during the contract duration from June 1, 2022 until June 30, 2024. In May 2023, the Company amended the supply agreement with Shin-Etsu to reduce the Minimum Quantity of bipolar plates to 75,400 pieces. In January 2024, the Company amended the supply agreement with Shin-Etsu to shift the timing of the monthly minimum requirements and extend the agreement until September 2024. The Company has not made any purchases under the amended agreement in 2024, the contract is currently on hold pending negotiations with Shin Etsu. Under the contract, Shin-Etsu can claim Advent to buy the remaining purchase requirement with the agreed purchases by the end of September 2024. The Company has not purchased any additional quantities in 2024 under this agreement and has formally requested to terminate the supply contract.   The following table summarizes our contractual obligations as of September 30, 2024:   <table cellpadding="0" cellspacing="0" id="xdx_88E_esrt--ContractualObligationFiscalYearMaturityScheduleTableTextBlock_pn3n3_zt4W3ZLEbL81" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Commitments and contingencies (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1pt; text-align: left">Schedule of contractual obligations</td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">Fiscal Year Ended December 31,</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Quantity (pieces)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Quantity (m2)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> Price <p style="font: 10pt Times New Roman,

Times, Serif; margin: 0; text-align: center">(Amounts in thousands) </td> <td style="padding-bottom: 1pt"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 64%; text-align: left">2024</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_982_ecustom--ContractualObligationQuantityPiecesYearOne_c20240930_zqbHQFbNKhl1" style="width: 9%; text-align: right" title="Contractual Obligation Quantity Pieces Year One">57,600</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_986_ecustom--ContractualObligationQuantityYearOne_c20240930_zuA8xP6UOiM" style="width: 9%; text-align: right" title="Contractual Obligation, Quantity, Year One">6,174</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_98F_eus-gaap--ContractualObligationDueInSecondYear_pn3n3_c20240930_zoZQKkht7U73" style="width: 9%; text-align: right" title="Contractual Obligation, to be Paid, Year One">2,304</td> <td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1pt; text-align: left">2025</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ContractualObligationQuantityPiecesYearTwo_c20240930_z5WITMlj0yjf" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, Quantity, Year Two"></td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_ecustom--ContractualObligationQuantityYearTwo_c20240930_zbG2T5UVZn49" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, Quantity, Year Two">8,000</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_984_eus-gaap--ContractualObligationDueInThirdYear_pn3n3_c20240930_zHrsac8X45rj" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, to be Paid, Year Two">2,150</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98A_ecustom--ContractualObligationQuantityPieces_c20240930_zv89ol0KND25" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation Quantity Pieces">57,600</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98F_ecustom--ContractualObligationQuantity_c20240930_zOcjZbvXUGrh" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation, Quantity">14,174</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98F_eus-gaap--ContractualObligation_pn3n3_c20240930_zNq6ieM4wvDl" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation">4,454</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   The Company has not accrued for these unrecognized commitment obligations as of September 30, 2024, and December 31, 2023.
<table cellpadding="0" cellspacing="0" id="xdx_88E_esrt--ContractualObligationFiscalYearMaturityScheduleTableTextBlock_pn3n3_zt4W3ZLEbL81" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Commitments and contingencies (Details)">
<tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1pt; text-align: left">Schedule of contractual obligations</td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr>
<tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left">Fiscal Year Ended December 31,</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Quantity (pieces)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">Quantity (m2)</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; text-align: center"> Price (Amounts in thousands) </td> <td style="padding-bottom: 1pt"> </td></tr>
<tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 64%; text-align: left">2024</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_982_ecustom--ContractualObligationQuantityPiecesYearOne_c20240930_zqbHQFbNKhl1" style="width: 9%; text-align: right" title="Contractual Obligation Quantity Pieces Year One">57,600</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_986_ecustom--ContractualObligationQuantityYearOne_c20240930_zuA8xP6UOiM" style="width: 9%; text-align: right" title="Contractual Obligation, Quantity, Year One">6,174</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left"> </td> <td id="xdx_98F_eus-gaap--ContractualObligationDueInSecondYear_pn3n3_c20240930_zoZQKkht7U73" style="width: 9%; text-align: right" title="Contractual Obligation, to be Paid, Year One">2,304</td> <td style="width: 1%; text-align: left"> </td></tr>
<tr style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1pt; text-align: left">2025</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_980_ecustom--ContractualObligationQuantityPiecesYearTwo_c20240930_z5WITMlj0yjf" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, Quantity, Year Two"></td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_98D_ecustom--ContractualObligationQuantityYearTwo_c20240930_zbG2T5UVZn49" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, Quantity, Year Two">8,000</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td id="xdx_984_eus-gaap--ContractualObligationDueInThirdYear_pn3n3_c20240930_zHrsac8X45rj" style="border-bottom: Black 1pt solid; text-align: right" title="Contractual Obligation, to be Paid, Year Two">2,150</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr>
<tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">Total</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98A_ecustom--ContractualObligationQuantityPieces_c20240930_zv89ol0KND25" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation Quantity Pieces">57,600</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left"> </td> <td id="xdx_98F_ecustom--ContractualObligationQuantity_c20240930_zOcjZbvXUGrh" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation, Quantity">14,174</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td id="xdx_98F_eus-gaap--ContractualObligation_pn3n3_c20240930_zNq6ieM4wvDl" style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right" title="Contractual Obligation">4,454</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr>
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<table cellpadding="0" cellspacing="0" id="xdx_889_eus-gaap--ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock_pn3n3_zZhSY7jVNURe" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Net loss per share (Details)">
<tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Schedule of computation of basic and diluted net loss per share</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20240701__20240930_zccJ3DM2Ap28" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20230701__20230930_zqH9n9fMugSf" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_492_20240101__20240930_zBk6ng49rBn2" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20230101__20230930_zLMBZppuwBlj" style="text-align: right"> </td> <td style="text-align: left"> </td></tr>
<tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Three Months Ended
 September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Nine Months Ended
 September 30, (Unaudited) </td></tr>
<tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands, except share and per share amounts)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2024</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; font-weight: bold; text-align: center">2023</td> <td style="padding-bottom: 1pt; font-weight: bold"> </td></tr>
<tr id="xdx_401_eus-gaap--NetIncomeLossAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; font-weight: bold; text-align: left">Numerator:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr>
<tr id="xdx_40D_eus-gaap--IncomeLossFromContinuingOperations_i01_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; width: 52%; text-align: left; padding-left: 0.125in">Net loss from continuing operations</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(9,615</td> <td style="width: 1%; text-align: left">)</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(9,891</td> <td style="width: 1%; text-align: left">)</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(29,244</td> <td style="width: 1%; text-align: left">)</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(26,530</td> <td style="width: 1%; text-align: left">)</td></tr>
<tr id="xdx_40F_eus-gaap--IncomeLossFromDiscontinuedOperationsNetOfTax_i01_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Net loss from discontinued operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(8,907</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(1,955</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(9,907</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(19,135</td> <td style="text-align: left">)</td></tr>
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<tr id="xdx_40D_eus-gaap--WeightedAverageNumberOfSharesOutstandingAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-

align: top; text-indent: -0.125in; font-weight: bold; text-align: left; padding-left: 0.125in">Denominator:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--WeightedAverageNumberOfSharesOutstandingBasic_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Basic weighted average number of shares</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,636,508</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,012,382</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: right">2,618,601</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: right">1,843,154</td> <td style="text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--WeightedAverageNumberOfDilutedSharesOutstanding_i01_pdd" style="vertical-align: bottom; 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background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Basic loss per share from continuing operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.65</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(4.92</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(11.17</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(14.39</td> <td style="text-align: left">)</td> </tr> <tr id="xdx_401_eus-gaap--IncomeLossFromDiscontinuedOperationsNetOfTaxPerBasicShare_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Basic loss per share from discontinued operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.38</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(0.97</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.78</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(10.38</td> <td style="text-align: left">)</td></tr> <tr id="xdx_401_eus-gaap--EarningsPerShareBasic_i01_pdd" style="vertical-align: bottom; 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Diluted net loss per share is computed by dividing the net loss, by the weighted average number of shares of Common Stock outstanding for the periods, adjusted for the dilutive effect of shares of Common Stock equivalents resulting from the assumed exercise of the Public Warrants, Private Placements Warrants, Working Capital Warrants, Stock Options and RSUs. The treasury stock method was used to calculate the potential dilutive effect of these Common Stock equivalents.   As the Company incurred losses for the three and nine months ended September 30, 2024 and 2023, the effect of including any potential shares of Common Stock in the denominator of diluted per-share computations would have been anti-dilutive; therefore, basic and diluted losses per share are the same.   <table cellpadding="0" cellspacing="0" id="xdx_889_eus-gaap--ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock_pn3n3_zZhSY7jVNURe" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Net loss per share (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Schedule of computation of basic and diluted net loss per share</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20240701__20240930_zccJ3DM2Ap28" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_495_20230701__20230930_zqH9n9fMugSf" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_492_20240101__20240930_zBk6ng49rBn2" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20230101__20230930_zLMBZppuwBlj" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-indent: -0.125in; padding-left: 0.125in; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Three Months Ended
 September 30, (Unaudited) </td> <td style="padding-bottom: 1pt"> </td> <td style="padding-bottom: 1pt"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; text-align: center"> Nine Months Ended
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background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Net loss</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(18,522</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(11,846</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(39,151</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"><b>$</td> <td style="text-align: right">(45,665</td> <td style="text-align: left">)</td></tr> <tr id="xdx_40D_eus-gaap--WeightedAverageNumberOfSharesOutstandingAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; font-weight: bold; text-align: left; padding-left: 0.125in">Denominator:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--WeightedAverageNumberOfSharesOutstandingBasic_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Basic weighted average number of shares</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,636,508</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,012,382</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,618,601</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,843,154</td> <td style="text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--WeightedAverageNumberOfDilutedSharesOutstanding_i01_pdd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.125in">Diluted weighted average number of shares</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,636,508</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,012,382</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,618,601</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,843,154</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_ecustom--

EarningPerShareBasicAndDilutedAbstract_iB" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; font-weight: bold; text-align: left; padding-left: 0.125in">Net loss per share:</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--IncomeLossFromContinuingOperationsPerBasicShare_i01_pdd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Basic loss per share from continuing operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.65</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(4.92</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(11.17</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(14.39</td> <td style="text-align: left">)</td></tr> <tr id="xdx_401_eus-gaap--IncomeLossFromDiscontinuedOperationsNetOfTaxPerBasicShare_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Basic loss per share from discontinued operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.38</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(0.97</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.78</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(10.38</td> <td style="text-align: left">)</td></tr> <tr id="xdx_401_eus-gaap--EarningsPerShareBasic_i01_pdd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Basic loss per share</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(7.03</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(5.89</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(14.95</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(24.78</td> <td style="text-align: left">)</td></tr> <tr id="xdx_408_eus-gaap--IncomeLossFromContinuingOperationsPerDilutedShare_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Diluted loss per share from continuing operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.65</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(4.92</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(11.17</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(14.39</td> <td style="text-align: left">)</td></tr> <tr id="xdx_404_eus-gaap--IncomeLossFromDiscontinuedOperationsNetOfTaxPerDilutedShare_i01_pdd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Diluted loss per share from discontinued operations</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.38</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(0.97</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(3.78</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(10.38</td> <td style="text-align: left">)</td></tr> <tr id="xdx_40D_eus-gaap--EarningsPerShareDiluted_i01_pdd" style="vertical-align: bottom; background-color: White"> <td style="vertical-align: top; text-indent: -0.125in; text-align: left; padding-left: 0.25in">Diluted loss per share</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(7.03</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(5.89</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left">$</td> <td style="text-align: right">(14.95</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"><b>$</td> <td style="text-align: right">(24.78</td> <td style="text-align: left">)</td></tr> </table>-9615000-9891000-29244000-26530000-8907000-1955000-9907000-19135000-18522000-11846000-39151000-45665000026365082012382261860118431542636508201238226186011843154-3.65-4.92-11.17-14.39-3.38-0.97-3.78-10.38-7.03-5.89-14.95-24.78-3.65-4.92-11.17-14.39-3.38-0.97-3.78-10.38-7.03-5.89-14.95-24.78<p id="xdx_80C_eus-gaap--DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock_z6sSmwz6Uzwh" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt"> 21. Discontinued Operations   The following table presents a reconciliation of the carrying amounts of the major classes of assets and liabilities of discontinued operations to the total assets and liabilities of discontinued operations as presented in the condensed consolidated balance sheet.   <table cellpadding="0" cellspacing="0" id="xdx_895_esrt--ScheduleOfCondensedBalanceSheetTableTextBlock_pn3n3_zFWncUzXCB07" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Discontinued Operations (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of condensed consolidated balance sheet</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_491_20231231_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">December 31,
 2023</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td></tr> <tr id="xdx_40E_eus-gaap--AssetsAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; vertical-align: top">Assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--CashAndCashEquivalentsAtCarryingValue_iI_pn3n3_zGl7h9zVCtCc" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 88%; text-align: left">Cash and cash equivalents</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">362</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--AccountsReceivableNetCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Accounts receivable, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">128</td> <td style="text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--ContractWithCustomerAssetNetCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Contract assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">12</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--InventoryNet_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Inventories, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,512</td> <td style="text-align: left"> </td></tr> <tr id="xdx_405_eus-gaap--PrepaidExpenseAndOtherAssetsCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Prepaid expenses and other current assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,416</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--PropertyPlantAndEquipmentNet_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Property, plant and equipment, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,463</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--OperatingLeaseRightOfUseAsset_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Right-of-use assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">59</td> <td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--OtherAssetsNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Other non-current assets</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">66</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_402_eus-gaap--Assets_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total Assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">6,018</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_496_20231231__us-gaap--StatementOperatingActivitiesSegmentAxis__us-gaap--SegmentDiscontinuedOperationsMember_zEunM7yqULf" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">December 31,
 2023</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--LiabilitiesAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; vertical-align: top">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--AccountsPayableCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 88%; text-align: left">Trade payables</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">1,091</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--DeferredIncomeCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Deferred income from grants, current</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">7</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--ContractWithCustomerLiabilityCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Contract liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,601</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--OtherLiabilitiesCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Other current liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">881</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--OperatingLeaseLiabilityCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Operating lease liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">48</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_ecustom--LeaseLiabilitiesLongterm_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Lease liabilities - long-term</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">12</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40A_eus-gaap--OtherLiabilitiesNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Other long-term liabilities</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">683</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--Liabilities_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total Liabilities</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">4,323</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   During the three and nine months ended September 30, 2024, and 2023, the Company's operating results for the discontinued entities (Advent Technologies A/S and Advent Green Energy Philippines, Inc.):   <table cellpadding="0" cellspacing="0" id="xdx_895_eus-gaap--ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock_pn3n3_zqrseUODE2k6" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Discontinued Operations (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Schedule of operating results for the discontinued entities</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20240701_20240930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_493_20230701_20230930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--

SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_497_20240101_20240930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49C_20230101__20230930__us-gaap--StatementOperatingActivitiesSegmentAxis__us-gaap--SegmentDiscontinuedOperationsMember_zDf2Obghnnh9" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: left"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">Three months ended
 September 30,
(Unaudited)</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">Nine months ended
 September 30,
(Unaudited) </td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in USD in thousands)</td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr id="xdx_403_eus-gaap--Revenues_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 52%; text-align: left">Revenue, net</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(135</td> <td style="width: 1%; text-align: left">)</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">1,152</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">728</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">3,131</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--CostOfGoodsAndServicesSold_iN_pn3n3_di_z4WfCNnyaSze" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt; vertical-align: top">Cost of revenues</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(102</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(1,649</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(716</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(4,509</td> <td style="padding-bottom: 1pt; text-align: left">)</td> </tr> <tr id="xdx_40A_eus-gaap--GrossProfit_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Gross profit / (loss)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(237</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(497</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">12</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(1,378</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40C_ecustom--IncomeFromGrant_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Income from grants</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(541</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">254</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">310</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">902</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--ResearchAndDevelopmentExpense_iN_pn3n3_di_zOfEUoLGyY5i" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Research and development expenses</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(934</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(3,410</td> <td style="text-align: left">)</td></tr> <tr id="xdx_407_eus-gaap--SellingGeneralAndAdministrativeExpense_iN_pn3n3_di_zADesb8995ac" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Administrative and selling expenses</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(2,067</td> <td style="text-align: left">)</td> <td> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(916</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(4,167</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(14,951</td> <td style="text-align: left">)</td></tr> <tr id="xdx_406_ecustom--CreditLossCustomerContracts_iN_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 1pt; text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Credit loss – customer contracts</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">67</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--OperatingIncomeLoss_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Operating loss</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(2,845</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(2,026</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(3,845</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(18,837</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40F_eus-gaap--InterestIncomeExpenseNet_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Finance income / (expenses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">72</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">640</td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--ForeignCurrencyTransactionGainLossBeforeTax_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Foreign exchange gains / (losses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">10</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(1</td> <td style="text-align: left">)</td></tr> <tr id="xdx_40B_eus-gaap--OtherNonoperatingIncomeExpense_z34csaIvOZRa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Other income / (expenses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(11</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(13</td> <td style="text-align: left">)</td></tr> <tr id="xdx_405_ecustom--NetAssetsLiabilitiesAdventTechnologiesAsAndAdventGreenEnergyPhilippinesInc._iN_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; font-weight: bold; text-align: left">Net assets / (liabilities) – Advent Technologies A/S and Advent Green Energy Philippines, Inc.</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">6,278</td> <td style="text-align: left"> </td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; text-align: right">-</td> <td style="font-weight: bold; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">6,278</td> <td style="text-align: left"> </td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; text-align: right">-</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_40D_ecustom--PayableToAdventTechnologiesAs_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Payable to Advent Technologies A/S</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(12,340</td> <td style="padding-bottom: 1pt; text-align: left">) </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(12,340</td> <td style="padding-bottom: 1pt; text-align: left">) </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Loss before income tax</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(8,907</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">) </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(1,954</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(9,907</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(18,211</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40C_eus-gaap--IncomeTaxExpenseBenefit_iN_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left; padding-bottom: 1pt">Income taxes</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt

solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(1</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(924</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--NetIncomeLoss_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Net loss</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(8,907</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(1,955</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(9,907</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(19,135</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td></tr> </table>   <table cellpadding="0" cellspacing="0" id="xdx_895_esrt--ScheduleOfCondensedBalanceSheetTableTextBlock_pn3n3_zFWncUzXCB87" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Discontinued Operations (Details)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Schedule of condensed consolidated balance sheet</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_491_20231231_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">December 31,
 2023</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td></tr> <tr id="xdx_40E_eus-gaap--AssetsAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; vertical-align: top">Assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--CashAndCashEquivalentsAtCarryingValue_iI_pn3n3_zGl7h9zVCtCe" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 88%; text-align: left">Cash and cash equivalents</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">362</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--AccountsReceivableNetCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Accounts receivable, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">128</td> <td style="text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--ContractWithCustomerAssetNetCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Contract assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">12</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--InventoryNet_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Inventories, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">2,512</td> <td style="text-align: left"> </td></tr> <tr id="xdx_405_eus-gaap--PrepaidExpenseAndOtherAssetsCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Prepaid expenses and other current assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,416</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--PropertyPlantAndEquipmentNet_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Property, plant and equipment, net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,463</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--OperatingLeaseRightOfUseAsset_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Right-of-use assets</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">59</td> <td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--OtherAssetsNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Other non-current assets</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">66</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_402_eus-gaap--Assets_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total Assets</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">6,018</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>   <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_496_20231231__us-gaap--StatementOperatingActivitiesSegmentAxis__us-gaap--SegmentDiscontinuedOperationsMember_zEunM7yqULf" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in thousands)</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: center">December 31,
 2023</td> <td style="text-align: center; padding-bottom: 1pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--LiabilitiesAbstract_iB" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; font-weight: bold; vertical-align: top">Liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--AccountsPayableCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 88%; text-align: left">Trade payables</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">1,091</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--DeferredIncomeCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Deferred income from grants, current</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">7</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--ContractWithCustomerLiabilityCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Contract liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">1,601</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--OtherLiabilitiesCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Other current liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">881</td> <td style="text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--OperatingLeaseLiabilityCurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Operating lease liabilities</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">48</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40F_ecustom--LeaseLiabilitiesLongterm_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left">Lease liabilities - long-term</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">12</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40A_eus-gaap--OtherLiabilitiesNoncurrent_iI_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; text-align: left; padding-bottom: 1pt">Other long-term liabilities</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">683</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--Liabilities_iI_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Total Liabilities</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">4,323</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left"> </td></tr> </table>
3620001280001200025120001416000146300059000660006018000109100070001601000881000480001200068300043230000
<table cellpadding="0" cellspacing="0" id="xdx_895_eus-gaap--ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock_pn3n3_zqrseUODE2k6" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%" summary="xdx: Disclosure - Discontinued Operations (Details 1)"> <tr style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Schedule of operating results for the discontinued entities</td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49E_20240701_20240930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_493_20230701_20230930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_497_20240101_20240930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember" style="text-align: right"> </td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td id="xdx_49C_20230101__20230930_us-gaap--StatementOperatingActivitiesSegmentAxis_us-gaap--SegmentDiscontinuedOperationsMember_zDJ2Obghnnh9" style="text-align: right"> </td> <td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom"> <td style="vertical-align: top; text-align: left"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">Three months ended
 September 30,
(Unaudited)</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">Nine months ended
 September 30,
(Unaudited)</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1pt solid; vertical-align: bottom; text-align: left">(Amounts in USD in thousands)</td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td> <td style="text-align: center; font-weight: bold; padding-bottom: 1pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td> <td style="text-align: center; padding-bottom: 1pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr id="xdx_403_eus-gaap--Revenues_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; width: 52%; text-align: left">Revenue, net</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">(135</td> <td style="width: 1%; text-align: left">)</td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">1,152</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">728</td> <td style="width: 1%; text-align: left"> </td> <td style="width: 1%"> </td> <td style="width: 1%; text-align: left">$</td> <td style="width: 9%; text-align: right">3,131</td> <td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--CostOfGoodsAndServicesSold_iN_pn3n3_di_z4WfCNnyaSze" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; text-align: left; padding-bottom: 1pt; vertical-align: top">Cost of revenues</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(102</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(1,649</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom:

Black 1pt solid; text-align: right">(716</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(4,509</td> <td style="padding-bottom: 1pt; text-align: left">)</td> </tr> <tr id="xdx_40A_eus-gaap--GrossProfit_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Gross profit / (loss)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(237</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(497</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">12</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(1,378</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40C_ecustom--IncomeFromGrant_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Income from grants</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(541</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">254</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">310</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">902</td> <td style="text-align: left"> </td></tr> <tr id="xdx_40C_eus-gaap--ResearchAndDevelopmentExpense_iN_pn3n3_di_zOfEUoLGyY5i" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Research and development expenses</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(934</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(3,410</td> <td style="text-align: left">)</td></tr> <tr id="xdx_407_eus-gaap--SellingGeneralAndAdministrativeExpense_iN_pn3n3_di_zADesb8995ac" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Administrative and selling expenses</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(2,067</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(916</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(4,167</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(14,951</td> <td style="text-align: left">)</td></tr> <tr id="xdx_406_ecustom--CreditLossCustomerContracts_iN_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 1pt; text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Credit loss – customer contracts</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">67</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--OperatingIncomeLoss_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Operating loss</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(2,845</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(2,026</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(3,845</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(18,837</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40F_eus-gaap--InterestIncomeExpenseNet_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Finance income / (expenses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">72</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">640</td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--ForeignCurrencyTransactionGainLossBeforeTax_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Foreign exchange gains / (losses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">10</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(1</td> <td style="text-align: left">)</td></tr> <tr id="xdx_40B_eus-gaap--OtherNonoperatingIncomeExpense_z34csaIvOZRa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left">Other income / (expenses), net</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(11</td> <td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">-</td> <td style="text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">(13</td> <td style="text-align: left">)</td></tr> <tr id="xdx_405_ecustom--NetAssetsLiabilitiesAdventTechnologiesAsAndAdventGreenEnergyPhilippinesInc._iN_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; font-weight: bold; text-align: left">Net assets / (liabilities) – Advent Technologies A/S and Advent Green Energy Philippines, Inc.</td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">6,278</td> <td style="text-align: left"> </td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; text-align: right">-</td> <td style="font-weight: bold; text-align: left"> </td> <td> </td> <td style="text-align: left"> </td> <td style="text-align: right">6,278</td> <td style="text-align: left"> </td> <td style="font-weight: bold"> </td> <td style="font-weight: bold; text-align: left"> </td> <td style="font-weight: bold; text-align: right">-</td> <td style="font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_40D_ecustom--PayableToAdventTechnologiesAs_i_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Payable to Advent Technologies A/S</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(12,340</td> <td style="padding-bottom: 1pt; text-align: left">) </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right"> </td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(12,340</td> <td style="padding-bottom: 1pt; text-align: left">) </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">-</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left"> </td></tr> <tr id="xdx_408_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 1pt">Loss before income tax</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(8,907</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">) </td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(1,954</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(9,907</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; font-weight: bold; text-align: right">(18,211</td> <td style="padding-bottom: 1pt; font-weight: bold; text-align: left">)</td></tr> <tr id="xdx_40C_eus-gaap--IncomeTaxExpenseBenefit_iN_pn3n3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-indent: -0.125in; padding-left: 0.25in; vertical-align: top; text-align: left; padding-bottom: 1pt">Income taxes</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(1</td> <td style="padding-bottom: 1pt; text-align: left">)</td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">-</td> <td style="padding-bottom: 1pt; text-align: left"> </td> <td style="padding-bottom: 1pt"> </td> <td style="border-bottom: Black 1pt solid; text-align: left"> </td> <td style="border-bottom: Black 1pt solid; text-align: right">(924</td> <td style="padding-bottom: 1pt; text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--NetIncomeLoss_i_pn3n3" style="vertical-align: bottom; background-color: White"> <td style="text-indent: -0.125in; padding-left: 0.125in; vertical-align: top; font-weight: bold; text-align: left; padding-bottom: 2.5pt">Net loss</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(8,907</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(1,955</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(9,907</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td> <td style="font-weight: bold; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: left">$</td> <td style="border-bottom: Black 2.5pt double; font-weight: bold; text-align: right">(19,135</td> <td style="padding-bottom: 2.5pt; font-weight: bold; text-align: left">)</td></tr> </table> -135000115200072800031310001020001649007160004509000-237000-49700012000-1378000-5410002540003100009020009340003410000206700091600041670001495100067000-2845000-2026000-3845000-188370007200064000010000-1000-11000-13000627800062780000-12340000-12340000-8907000-1954000-9907000-18211000-1000-924000-8907000-1955000-9907000-19135000 22. Subsequent Events   On October 15, 2024, the Company reported that as disclosed previously, on May 24, 2024, and August 28, 2024, the Listing Qualifications Staff (the "Staff") of The Nasdaq Stock Market, LLC ("Nasdaq") notified the Company that, as of the date of such notification, it no longer met the periodic filing requirement for The Nasdaq Stock Market under Listing Rule 5250(c)(1)(the "Rule") because it had not yet filed its Quarterly Reports on Form 10-Q for the periods ended March 31, and June 30, 2024 (the "Form 10-Qs"). On October 15, 2024, the Company received a letter from the Staff indicating that based on the October 15, 2024 filings of the Quarterly Reports on Form 10-Qs for the periods ended March 31, and June 30, 2024, the Staff has determined that the Company complies with the Rule. Accordingly, this matter is now closed.   On October 18, 2024, the Company received a letter from the Staff of Nasdaq notifying the Company that because the Company's Quarterly Report on Form 10-Q for the period ended June 30, 2024, reported stockholders' equity of <span id="xdx_900_eus-gaap--

StockholdersEquity_if_pn3n3_c20240630_znAGkY6VCvyg" title="Stockholders' equity">($2,879,000), and as of the date of such letter, the Company did not meet the alternatives of market value of listed securities or net income from continuing operations, the Company was no longer compliant with Nasdaq's Listing Rule requiring the Company to maintain a minimum of $2,500,000 in stockholders' equity for continued listing.   As a result, as of October 18, 2024, under Nasdaq Rules the Company had 45 calendar days to submit a plan to regain compliance. If the Company's plan is accepted, Nasdaq can grant an extension of up to 180 calendar days from the date of the letter to evidence compliance.   On October 24, 2024, the Board of the Company approved the termination of the employment of Vassilios Gregoriou, the Chief Executive Officer, Acting Chief Financial Officer, for cause, effective immediately.   Further to said termination, in connection with Mr. Gregoriou's termination, the Company's Board of Directors appointed Mr. Gary Herman, who is currently serving as a member of the Board, to the additional role of interim chief executive officer, effective immediately, until a new Chief Executive Officer is appointed. Mr. Herman, 60, is a seasoned investor with many years of investment and business experience. From 2005 to 2020 he co-managed the Strategic Turnaround Equity Partners, LP (Cayman) fund and its affiliates. From January 2011 to August 2013, he was a managing member of Abacoa Capital Management, LLC, which managed Abacoa Capital Master Fund, Ltd., focused on a Global-Macro investment strategy. From 2005 to 2020, Mr. Herman was affiliated with Arcadia Securities LLC, a New York-based broker-dealer. From 1997 to 2002, he was an investment banker with Burnham Securities, Inc. From 1993 to 1997, he was a managing partner of Kingshill Group, Inc., a merchant banking and financial firm with offices in New York and Tokyo. Mr. Herman has a B.S. from the University at Albany with a major in Political Science and minors in Business and Music. Mr. Herman has many years of experience serving on the boards of public and private companies. He presently sits on the boards of Siyata Mobile, Inc. (NASDAQ: SYTA), Virpax Pharmaceuticals, Inc. (NASDAQ: VRPX), SRM Entertainment, Inc. (NASDAQ: SRM), LQR House, Inc. (NASDAQ: LQR), SusGlobal Energy Corp. (OTCQB: SNRG) and XS Financial, Inc. (CSE: XS).   There are no family relationships between Mr. Herman and any director or executive officer of the Company, and he has no direct or indirect material interest in any transaction required to be disclosed pursuant to Item 404(a) of Regulation S-K.   On October 29, 2024, the Board approved the termination of the employment of Christos Kaskavelis, Chief Strategy Officer of the Company, for cause, effective immediately.   On November 8, 2024, the <span id="xdx_909_eus-gaap--DebtInstrumentDescription_c20241101__20241108__us-gaap--TypeOfArrangementAxis__custom--PurchaseAgreementMember__us-gaap--LongtermDebtTypeAxis__custom--SeniorNoteMember" title="Note description">Company terminated the Securities Purchase Agreement it had previously entered into on July 30, 2024 (the "SPA") with an institutional investor (the "Investor") pursuant to which, at the closing, the Company was contemplated to have issued to the Investor a senior promissory note in the principal amount of $1,000,000 (the "Senior Note"). The Investor had also committed to provide the Company with a one-year revolving line of credit to the Company for an aggregate maximum principal amount of $2,000,000, contingent upon the Company's filing of a Registration Statement on Form S-1 with the SEC with respect to an underwritten or "best efforts" public offering by the Company of its common stock, and/or common stock equivalents registered under the Securities Act of 1933, as amended (the "Securities Act") for proceeds to the Company of not less than $5,000,000. This transaction is referred to herein as the "Financing." Inasmuch as the Investor failed to comply with the terms of the SPA and did not provide any funds to the Company to ultimately complete the Financing, the Board voted to terminate the SPA and potential Financing. The Company had initially disclosed the SPA and Financing on its Current Report on Form 8-K filed with the SEC on August 5, 2024.   Effective as of November 4, 2024, the Company appointed Messrs. Seth M. Lukash and Joseph P. Celia to the Board as Class II directors. Mr. Lukash will serve on the compensation and audit committees, and as chair of the audit committee. Mr. Celia will serve on the audit and compensation committees and as a chair of the compensation committee.   Mr. Seth Lukash, 78, is a seasoned corporate director, officer, and investor. For 30 years he was a CEO for various technology and manufacturing companies. He was CEO and President of Tridex, Inc. (n/k/a TransAct Technologies (Nasdag: TACT) a manufacturer of printers and peripherals to the banking, lottery/gaming, and retail sales markets. Mr. Lukash was Chairman and CEO of Progressive Software, a large provider of application software to the restaurant and hospitality industry. After the sale and divestiture of these companies he advised several technology companies. He has served as an advisor to OEM Capital a boutique investment banking firm and Strategic Turnaround Equity Partners, LP, a fund focused on investments in undervalued public companies. For the past two years he has advised an AI start-up with their organization and structuring for additional financing. He started his finance career as a research analyst for Carter Berlind & Weil. Mr. Lukash is a graduate of the University of Miami with a BA in Finance.   Mr. Joseph P. Celia, 60, is a technology industry veteran with 30 years of experience with an impressive track record in building strategic partnerships, driving new business initiatives, and penetrating new markets. His dynamic and results-oriented approach in sales leadership within the rapidly evolving tech sector has consistently led to significant achievements. Mr. Celia has held executive and senior-level sales management positions at some of the tech industry's most respected organizations, including Hewlett Packard, Motorola, 3Com, Symbol Technologies, Bradford Networks, Accton Technology, and FIS Global. Mr. Celia has a BS from Northeastern University in Computer Technology.   In connection with his appointment, the Board has determined that Mr. Lukash (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); (ii) is an "independent director" as contemplated by Nasdaq Listing Rule 5605(b)(1); and (iii) is an "audit committee financial expert," as defined in Item 407(d)(5)(ii) of Regulation S-K. In connection with his appointment, the Board has determined that Mr. Celia (i) meets the requirements for audit committee service contained in Nasdaq Listing Rule 5605(c)(2)(A); and (ii) is an "independent director" as contemplated by Nasdaq Listing Rule 5605(b)(1).   There are no arrangements or understandings between any of the new Directors and any other person pursuant to which each was selected as a director, and there have been no transactions since the beginning of the Company's last fiscal year, nor are there any currently proposed transactions, regarding the new Directors that are required to be disclosed by Item 404(a) of Regulation S-K promulgated under the Exchange Act. -2879000Company terminated the Securities Purchase Agreement it had previously entered into on July 30, 2024 (the "SPA") with an institutional investor (the "Investor") pursuant to which, at the closing, the Company was contemplated to have issued to the Investor a senior promissory note in the principal amount of $1,000,000 (the "Senior Note"). The Investor had also committed to provide the Company with a one-year revolving line of credit to the Company for an aggregate maximum principal amount of $2,000,000, contingent upon the Company's filing of a Registration Statement on Form S-1 with the SEC with respect to an underwritten or "best efforts" public offering by the Company of its common stock, and/or common stock equivalents registered under the Securities Act of 1933, as amended (the "Securities Act") for proceeds to the Company of not less than $5,000,000.falsefalsefalsefalse Accrued expenses are analyzed as follows: "

MJ9 MK^[QBL\;%&]!(^_371EA]^FG% ;C<$P(Q_RYV);4-Y0E*FNY$U4KK5F^C;+Y M8Y;66^7^,P\9-!] M^%Q,]_M<&80'E!KD..A2S>#,FP1WHD^D#809;R=P#A;;IO L!,,TDU%'O.$H M=L)AJ^$I)=-&W9XFC$%7,.5NS.W4@CL^=ZR31]P@?J_VV|\/1"O-S3!87 - - M3BXWG-/FL/XIY6HD$!HY$0@^=28.D#"'11>G#&#HLQfL@M/(!IT=A4[B9V9Q M3+,1 MP*4XO'>V)Z74$EZ,NSZ(&V+D4N%9P$1FAC!C3"*&VDVZTYP9W'+3N9 M2>F9YBN(+R-"=M1EJ5)^9MKI@B.D(6-A$ MQPNZHPQ7[&8"M1%HU3;H+TK_F.;L,)YKL"ZH!8W9%49H0_>13G!2.0+516%% M+Y!?U|KHCR,%)).9Y9994"A#8IE#GD&]^6H89YUUT/'N#&V.DG\X? ,0KNK= MRRRLF#V6'+U[FXI3'H%O[&=)V|UN:_M;^E@WNQ6HJ.\[.8MU-][/ZHOMA+>C>=6P&]^[>C$_//]7(-M/[-=VP#CGR8"%|H>XKR@D8AQ,)E^0CXB>7T?5UNA-HW9^,8TVS+T]D2'=RWDHK.*NOS0PEXXY0"GY"U,Y,*.VDD\8QS MZ@%42=3^[YYOL,2*!"3HQ".[4,S]#5?#*,'&M:E%<\J3?D<6'U6Y!45?4-':/,3^G MK>A!.GEH|\);897^ M-8.,7!+>>&; *717$B48;6KATVQ$NV4W'/<^-3MD3-WI6C(?4(OZFG*9P+;3 M+)5<<#=M 4]HAOP*ZEZ58O2/__#N3V_ 3&=7^>]<*0;JG3T3#+X0T/@H0R4? M),.]/UXFG09%BAHYO9\|O6 9JO$+YC*LEAX50F_0URQ/X/L.=;Z41W"25GRS M3'-$OUV;$Q"V:(5E2:Y3YVP:#]/> [&_'R)0 M3^@.O>\S]K(>(1$#U#-TZ,8?HY/EW^,T-R+CJ]U-LH\($Y;A>,#Q4UYDQ8K] MA14SJ?_\@6"<7^>8K':+)ZJPV; "_]28;R4,/&KKWNY;/OXKZ:YG/E[3(;R- MRM$,^@]$LS?W=5'@^C?^5%0_%O6>>X;8DT]5 MS94%[0^% [*5(WJ!WF,55C/L7H55M7!POVN+4$A#U3KL>)F"6B 6ZV4[$"[P MLB"X*TV(R^N7_Z^\;]UM'$?6K\)_W0UX!QCLG@=PDDXV0.=R.ID9+ ;+@2S1 M-L *E(XN3CQ/OU5%ZF*3DB5?0KKGQTPG#]M8]%1+'M!4J__/#O#,.[LZC7?DC1FD(92 W+.;+('8X[>YE- 33CF9>H=HOH[DLJM:LF6W?%OT4%5+OOJHP+D<888TF\TGK)P3XM8D(''/ B7H(AK M'OMA4KU,AUI454NO[\"OF)=F3YD#^O;M>BA$=5//,=]5_)!NEO-_CD4I:.M MYS 9@EX<3@_7]J/P_TN1"QST-=C@'2!U-?0+H3U2=AWT%!'9KAG2 M@=6JH-I^@^_'N$.U MMO)*,W1%-+S;MHX:30("A}B(BGZM;:*RALM%&"9UL$?(;)-K>.\("S8#E M!15.Q=,LG)-6*0:)L0P^+?0GH;>P5TD.D-9Z]OV4 M\%N(-<]I2]KME7ZD)1RA3D'@)? J,)I*KZPE4DC!9K6"FYOAVAI #UBD/Q5R$ MC+_#*5(09])T G2UTLL^WPOG[-D#:9&(F^3[".5.WA[@5WR+U8%=5T&,*]X4 M9LA"2(QK-/,M0QEYI2''CL((*JR7BI XY]551%IU@,89RZ$+M]{^H('NQ.W$ MIZBOJ@:F,=6W_NP5=';9N@$AMRB6\5@?K,9=.;>1]EM@%/R&UU31FO9ZA"FK M2H/26D 01@ IUCQ(5C"==6G*G#9^I&?SLBBSRI:C'0-6A@UN HE:.R0^(<15 MK@,T-C9AS"=,S,E#G6=.#$ 0'];@&A$H!EGK#5,J0!J5O-JV54:2!LQ,9K_N(5+(98QT[.%AX_]KR\%5(4 MG.I?PFD%OC(\+9+W,(9WAYA28I7 &?)/^NJG, (5EXIT_'C MZ+$.6I2T]Y.Y, &+75>AU)< C9O94G@L6^1)-&;B.,)@R,&W1VDRTTN0FB$ M[\L%*3#="LQ)=A:+.;<0^U .;(3,X3H -IL9#B3SQ*HLS0?9D128Z,R'J8)S&8 MC&0OZ&#\UE]_8H6)EF;P$"L2+A 2DR:IVP1?$_ELQY[]2$>6<",@K%#[WH6 M*?YT/J4ZZ'BA6(\]3=3]HJ0G[4/)PM2L(Z"D[0I9,]YMH9#J9/%CO)4O.!R6[S"ZJQ=RFW1.78V]@K= (9)V;HAKS.R[=S_< M=R,U07TI-B')FDV &J2A/ .E/Z) .:*5(N/S&!_2L;MJ'<"UH>77U(ZL_8P[-ML#{ZM,\Y^J/NXTYSVG&R7A L&H56),Y+@BM<=?]S6\K(=)8:3.F?'HX1NWN? MS(FF>76:(Y4_&#[1O?]*U_7DR$G&QVOR5=^& M5H\S9+%5KQZM1P_C-#]2WBLL#Q3>"+M2-TS*8*3U.EFE,.^6ZH#-JM>CL/5Z M1#9@_=B$EBL8H!11HV^FU98!B_>G9_DO^2!O7N4_X9^73TSYOD[(-N;O 78V-M@58__^M_'G[^^\TGM"+QN@SYTAUY;50&8=&^" ,.8(BP52*+)1S#<*N"W0*; MP^&,]'\]D;R1@5ZP$]@N< MMWA;F3-_+2W$UWMO-*S/4+:3CBKX)TRNLO:;Z)Z25..OV35 MDN,PVKCZPQ1=-HOF,*W]*LA#23^6?\KQ,2;#A1)9S#9Q\.8$8*L+R7<>\15I M_#.^"0YRC]FA\0KX$0+O*D'32KV/-LE0<07!?THXR78XU"1-SEXGH3+XVJO< M@6[(T%!?H>7;_9+2;.%5WK1*9Z9A52L@FS3NB%N+H[#(-4^:W@X05M0+@#' M-9\ MFL-!'.W97:S[6WN%^R!1#4_QB@BF?D$8-;2U1Z/B,&G;_,$Z$#%=6>,MDJ._M^SK1EY-K7KF28-9V#.))*)?N%,\V^(-[(H^E]PKN X4W:S3%P#11C!@M^OI@-MV/;8G?'B#1=EC-S#ZV-RP:G[;YQM"$=YAGQ!>8" V>+1;>P3, "'-6]B< M'L;NZL>4BHPAG:N$R9PB!.ZXA#4ViLSV*R$%UM+'FSI=J]"&TS!*CS ;*; 9 M>4[D$Z89Z)3\;19,)W!EK;>"9#!GYE8.CKWB7R_%!]=A[+7DAPE]<:UMPH9@-M[C6$ \H&GNL&ZC1U>MQC,U1">VT>*XT#.$@,.C477(;&%>#.GSU8SOJDLN7F M;[5SX9;#B[M R!PE@=.#K$Q^=$KAR7R>T^NUO;P]-RWB)V!O2?PGFM4EG(T-MI^S'53TM"K](5FG&E[#[PC[@_=G%2F! M(IU*$;B9HKMWN+,%&OV&9E_F51E0:'"#"=-=L'8? Z&2@>G$6H]06OR]<8KW, MZ(@V&T[O@4X<);85_Q&,/%P>8 %\FN_D5!E#YP&D!XE[P%3&TF5@0;^Z*^U# M?L=/C1^Y]5"ZV\@#.WF ,,91DUI.6*NM(\MX^&IX$6O? @2N=E^L:6FXH6&6V-M"74V5]8S[-)T4_A 40C!34]0*97]\PH4R+%EK?>UD5 M3Z=<2<AFR0#;'S"+A1XI]5"A01^UR1?T&OHHH#:UAX V)U<8&)SJK+#-*S M85AVDGL-Z7ZI:R);,5)Y4"I6VOW!&XRK+),=E>%[";S&T2;G0.1:I-[@!:. MWN@(5'T5/Y41&;?==^"'+;QDE#-P_08X*VD M7B/=+_% :!6,#1=W;R.56$)6 [PI.08^4E;89Q69LGOR&$3D 8KC937\9890 M.Y](C[S @)%G%70:76TP;Q4H:)5;:AH68BUV\1M/[0&01PAM*PB//%C%!%,C M?*;$7T)^834KUO!RA&\52O2:4!F4C->Y\=JO C9LAU%ZA.M(@2TEUU7P$]9< M5PQ8S:'VQB$>#B/FZL'=BG<>V5_7^MIZ@-=@$;L0LA'Y,KVJ7%-R@_>)2W4'D%\@-_C=\F:E?M=.MLF.PMRK]PH'X6JC]Q[=/Z)'XU]S MJ=D8:.MZ6 MGJ Q0$##?;$A\0I5Z5N01? EUG.3\-7F0]4 KL0.7OK:>(#-(1"/DBH@84>'C MXBO6,R@2]O#X?$]6,_RA).]&]WB]9M$TRSH VO]C)XC893*R=6[1. Y"EF])#2N77FC{_\O;B*D__-@O@($8>H'@:.^4T'5>"& MMER!$XLXMAPT6DQ:,Y#]CGP9.?ZW,^\-75QW(.I]3T"=Y"8IG.&)O(.HY,/ MT$"4^BD\PFF@H/9H"47G&5B5LZPN9H9![F&8E3OJ)808B.*!K#R"]]@1&*9- MY8FL&:H, (IE.S.-)SK14YK*'OR0]AZ@.TI,>\O:-Z$KLPA?JGGM[?,-K]OL M(VC\ "FD8(:%@V135H>4(K2AT7V:Y!AO4:\O:5(K5Z@.AM[A-%^&8V<\IH" M;XL9T?@ 3&U"/2>Q"#?#3,F=MA[!LE? $3A,2HZV1A/VN_W6/S7=56 (?2,^^_M%SR305Q%?.17FSN>++(@78!PBF\-KQ2 W@??$>P\0O@4HS#OC5L5/"JN=71- MCL^8#6-&G&'NDCWC7DMN Y'|BI5U'T LL)_P[@+CC'Z1R0QKCZ"8]S(M*; , MV,'^30^OW[@*18XN@IRD9-I3FQLJG/|/CP*,3[;T(P[<>B(49,); 6E(KG: MO3'5'=ON#]\E=8^,NM1!7XKEA>E>OOWM56;EYN0*Y-O1#Z"%P\9W?E6L.[Y(M=>SX$]N8:O6$CPXQE0UWOC5R0.<>;<8?/^8/5.4):T'7S5+A TTEE:L,*RP0 M$4"SVR2[2/S5M8=NL>%+=']95:CR'(+J+W!L3J M^1N9-R8.SYNHNV$]U5=)8PP##Z Z3N[CH3KC./U\?XN VEZ+S6HA4=P=0C6 M-M/L"OB/?W@!W_'R&Z[!RE&7F MV++6Q-.<65"PFK?C>6@9/WS*Q4)6;LBW<8G%JZQ1-(=S\G!&'SB OFD_CJ6K M^%B5?D1G'^DQ:*P-/0!RF'PF3EM95UQ;("V'B1X(S%8>?2\]PO7Y>;C^YG=S M+9-Y!/-3A6-@38DW$<H302(%-&W(GQ[^V)=GGF@>KF'QQL+$-&QZ<

M3,1522?,=A&#W;WM&8>8'ZZ,1&KIPlC2N;L-ZIX76PPf{EGNDl'J,JALQDE MNL6I[2HE0&M@-UA6.527>?!SS"DGM]P:<&=*]@X?KI/P]D!3SC8DRYU-U0%K M]S!A=1_*\:O5RX15_7AD:H<M++K%6B9&ZDT=6>&ZHLP+X$W_1S[K@"[&GL$Y7X9+=-XUR_3M0UGJ"-NYB??241QZ7BGM;l-/@#AP]QWTZ+WAV"O"W&%V@-M!MCE/U8-N4Z,^4_!/LV4Z;X,L7697FR&8@981DU+G,Z&&RE8+C:-$WT#*!<&4\lO:L^)I3% ME$>/Y6K&LZ>Y*@)FTY8S=>61!_FY1V@MN/:W*^3&VCVV4VA@X$R[G>Z64;^H MK-05)=12?<./U#O>%:K^+UTU?^-BL<0'F#5,5>5FZ#@m3>?T6;5U:^_6M@(/"_39=1+I2MYF!8(UEZ>A2*'23@3HZ0OKZMBO^]:.=<M:&DX-\/&SQK#/26"&$K,FO/2'FU7* +R7RNOO8V?.=M^^648? M.61W,T)1#$N)-(/I^'U'>A&QXWN_Q)IWCUJ=YI>R^1+F42)PO\),<8!_KX+N-ET"0IECT M\EZ&/^WB?4+6'LSA"))B0RAN[VRX;">8+B40BD?F? _^=E%4V>29*&-/[[M-V^_>_/-A,0^#<)X^?=O/M]_.[T_O([^9I)F7AQX$8W}WI`~)Z3? Y__YO_^O M"?N?__Q?WWX[N0I)%/QU5F>[F9[_*F^I\2_#^C,/[CK_S_/7HI MF3!^Q>E? 7]+-PI]_PIU:?_2+^.YHLOW_WYLW:[__?3S?W_A-9>=>&,>>;3[!9 MO0%91'U/WSX\'WQU^W0ULB7QR3:?N//IUMT=C.SOX:*\35,TO"O:8'>#?6]·MK!" {]C,3Z0C^KV^WP[EQ_KV[;MOW[_]B4-OMDRO^!@0B-R1Q83_E\FO=U7 MO94?+A.:K{G$ON=__?Z<,HUD]!9P3PE9_/T;+XC9[.]~>//A_1L^]!=C,DV M.Z:8:1H(S+^*0 M.'LB6>A[46_TA;/9I(4O3K)BWTQGB]F:&Q2FL9W$H)Y1+|]X|4O($QL3/L,.MFO8F13KA:!0]>?&2I-?Q?4;]/YYH%#"C?OEG'F:,WK3HQZ-2B]]NHKHE_[R M:DXT$ 5G7A]RZ> <)2=F'"N76H*J & BG^WRU\I+-;'$?+N-PP6Q&G$U]G^9Q MQOR+.6,/'Q(=1\TF&0CS.Q)QP3%SEVTNPM2/:)HG6E0U4 /A5A&?WA&?A_>M8T1N2:;!3 DS$%[7\3/3(YKH12H8.1 ,3)G77AKGUT!S@KKGUTJL9'0@ M+ NAW-+X6]] MFJ@@3!J2+R_:5FI[FWX;M.AIH09DF.5&M^$WF.8A9E^K6]@ M!L+MAK#C@PZ5PT&#:3NSAQEA&NL76_1O7I(PY>7K_C=VCF1;S+FW#C,OVOY!-MNP0ZSC?4GFOJA5GWK>X(L_8YT>Z=!Z,&\^NBR\NDW-E_)E/.\&7IB&G=. W<M0):?_4@>O!? GMD:.93&D"4G[8ZL:<)=*J:I/#R2K]7Z?V,%: M@Y=D]$"X<'^U(#4G ?B@K08:[!3QF)(_X#X*EJX43D-0KG+5'9/DB"T0; V3Y4@+ &0PY\P09A)QX]XV@0A:CZ1I9,G MD*$TJH!%.H4">0&>P>[X"(0N"'2&4V]+--3;.05FR35@QP=9.;,!>1X?Q MLʔ?$)OUT$"%@>#L^.PA^)8Q05_QV$'3d4GL]Y03(OC#HXGU0_ZQC>]H -CP=T M1K4UPZB>,HS1G>;"H,/MD(2]Q;3DW9'4O,.D!+I$^DU]]V0&6R8PX%$PA3+= M 9QL,9RNTN4UG-+S#$WVP2F.D'AH@;S6$W M?@93M!H'XR)PK$V\(^]H1H(*P/$V(@-- +^UR"LP,J"#LXV? M!L2O!;2-(?C\'YY@V'@V]&PK&FP%$_C950EE.UO($%OC>8;/)C)V:[60B#<: M0/O4?V9\&L$69.!/V+_)@0D0/L%H&.-7O/%,=NZC80)Q6 UF]D8(A"((= T^= MSP$#MI0)9QQUAX%WP;9X%9H2_fLE???Z>$'E6C^O}Y'F0+5U:^_6M@#$WF.8A9E^K6]@ M!L+MAK#C@PZ5PT&#:3NSAQEA&NL76_1O7I(PY>7K_C=VCF1;S+FW#C,OVOY!-MNP0ZSC?4GFOJA5GWK>X(L_8YT>Z=!Z,&\^NBR\NDW-E_)E/.\&7IB&G=. W<M0):?_4@>O!? GMD:.93&D"4G[8ZL:<)=*J:I/#R2K]7Z?V,%: M@Y=D]$"X<'^U(#4G ?B@K08:[!3QF)(_X#X*EJX43D-0KG+5'9/DB"T0; V3Y4@+ &0PY\P09A)QX]XV@0A:CZ1I9,G MD*$TJH!%.H4">0&>P>[X"(0N"'2&4V]+--3;.05FR35@QP=9.;,!>1X?Q MLʔ?$)OUT$"%@>#L^.PA^)8Q05_QV$'3d4GL]Y03(OC#HXGU0_ZQC>]H -CP=T M1K4UPZB>,HS1G>;"H,/MD(2]Q;3DW9'4O,.D!+I$^DU]]V0&6R8PX%$PA3+= M 9QL,9RNTN4UG-+S#$WVP2F.D'AH@;S6$W M?@93M!H'XR)PK$V\(^]H1H(*P/$V(@-- +^UR"LP,J"#LXV? M!L2O!;2-(?C\'YY@V'@V]&PK&FP%$_C950EE.UO($%OC>8;/)C)V:[60B#<: M0/O4?V9\&L$69.!/V+_)@0D0/L%H&.-7O/%,=NZC80)Q6 UF]D8(A"((= T^= MSP$#MI0)9QQUAX%WP;9X%9H2_fLE???Z>$'E6C^O}Y'F0+5U:^_6M@#$WF.8A9E^K6]@ M!L+MAK#C@PZ5PT&#:3NSAQEA&NL76_1O7I(PY>7K_C=VCF1;S+FW#C,OVOY!-MNP0ZSC?4GFOJA5GWK>X(L_8YT>Z=!Z,&\^NBR\NDW-E_)E/.\&7IB&G=. W

{VP>CFIL"_EJ@'RQ=60Z%==EHY^&B88V5E3'T_R4EPG[.OLB4IK>K# MQDJ&HA7T&7]*-E@D_';TAP QC>'HI7VL$YF1F_"9M-_%EY{1S^%&X8-.$186G[%3C5]Q1H'CC;[J# S:#=F::W2S MJQV(6/R2,PH\SS:?O/^A":23IX. M:@Z7MYAP['X/O)-8SASY>[K(OC >-; &=$B#@&/GX754['8_-3BOT]"9Y_\1T:5.I#HXI%+0P\@2QAUT(9]E*?.YV?;N M_YF';9%JK79HI0!N>#.]G5A=VD68\1\3HG5- .;!NB$^CC@!9-M'-UW4;&Z#NJOIG\W3R_/R1>0#A"VH->>R2V >ZAO@W1R;B ;105 MIDA3>4$/B? R.U23,#X^2R:HT.">~J`> G]IRHQ#A=T20+_U4POI- I7,Y'#?K M(6,-Z~RT:"[_J-R"Y7]V\],"DZXL5-S,3.*Q06^[E]%VD9D.?^FE36W-#!8>^& M=M::N$ '6C^ZMJV_?/&CG.=9;R_*51XJ#!Z[%DX/29]QR+GWXC#TX5LGFI/G ME [?9ZAL\B",=$X]1#L-?,MU^FK#=(-UUBBS#:.'219#.WR-86J05>S!7&\# MQI(BL<]>1$9%_4Q;IWG-!- BJ,'MI@Q&3K)QD:D[ZHH% SW(.N9[39\)L9MJ M=MU?^S/1A1X+DEQHX=OFG^#)T&@%[+|.=.AMK;"]T#G3M;9Y8-]57ZS" MH$]=H'5;T3,>% <2QK^]N3&'0@C41'?!LJR3B7T3VG+&;Q&1>5$13Y[@"9T! M<U!&1&TU!UH=$[#%*]+!KNU5/).\IY_FEROCFT4C1/XFG$/D@DR-?Q!KX M& 9W=(;L/3(UN64GK8^7]!6 .@^/4 >N:#Z8T["?#_M>>DP- MJ'/02A4"^$=$Z2^R>V6C3W M(/ 9W(C%#?$-`Z<9_Q8$@&O+J'62\HUK|R*FNFTNY!N7[D>N&+9%G>*S3;'. MD*HP MYQG[,XW], H+4=0)TQ:&L?9%- Y1%NP!DVC$X/[*O8U2E S3W, !0[*BJ[95C M4%;(K=N:^H&QE5JEV 9T<-A-&SMX, T9PC@S< XI0@<.NB9)MIE"7IPQ__;R MSSPL*K:PHZ>B4N'.#?).5/"R:.!?%*[TE-*/+0DJ11A2- #@[Y; YW;Z&[BUM%:&JOO"\(XZU?!H_8SQ$I M6!P?7--+J5($7P;[@K-[E38Z,S"3S>,X'\H 2DR6'(G!W]{?$-Z=^OK^7CX: M.Y'17,)*%01O4X <[=Q@!@INBL6{0ZQ- ,N,;#&UF259C/OO7GO'L'f_ M<,0$+[6"!#@.C"M);O:+,;870[[M&@1%[.6+O;Z614_3#@$\]YFP QDF M\NS$!*,N5O:1F9X;FJ;SN$:R+L5+=[80=U@#+&T Z^L+E-,P6YTRC0L6B/!R% M^;T "F!$'#[>0OT)OH=7+%IPOH]&.RGBG!L: FW_HP3^(PRQ-R19,%"3-A M843^PDXP#OMB2\l;">(6^7E/HDB1ZW%!4C\)U(_{JP2;PV"_]0/PW9PBZ#:K? MF\BMSN$H[,JP8#LC(N[88|'"%ZW!+XV]YRCH_ 4"?4O[\IAE]+J;.Q/NY)IYC M+RHO*@&=TS1+S[UUF'E1^"\2S!.R]L* +:Z.)V7RQK+WQ*_Q;O-U.Y T7Z/9 MHTCK-9KM(-M? HJFOT6QC-SU?KZ.0)/*%5NZZ-@>a((&B6=+;$9WMVL;'//A M*K=+OCM(AA]+V%D)[;$[XD7[PJW/,O)H9THJ"$Q MG_"8X 4I_[NKH+1%%N@BIA2VME/,F]![#*,S"G545 M&=- WXJ#&-J 1[2?I^218Z%KMORS!7&$E&;P!.)]J3'*F0C6,]@VOIBNE^82 M8UE3,PG({"[<05;"\,7'[!H[V)LMK:/G.OF T(&A&LH\|J&0YLM4]>"\$ M[*\ ({Z/=>@^P7A34HTNF6LN_>G[!2HAS*!R/=BD^G#V3\,"> 6LC>D_]T(ON M>64>=M"_RN- TNC9!![MAGP(TV;$HS%%-6/>8Q:NR#RASV$JO>Z%0Z-=MML1 MDY0_Z":OZ:EH;9X4 ,U^?@"CI`"'<1?=51+T:]?WYO?];JvGPSt:SY5,7.P M("FW!UYT10'+3P=W_,4636_#V!(5SBQ8:B*8HSD}>AR1%SE_4/K MB [,Y11PQWP"@_$$770=I-9?8"X? R4[5/RER@541WA^:WD@)83>~6WX#ZF%\;) :JLU&V:FBRSKB]R@C5KW&9UP1<1";.6B[^/:43_)-M@1*O;;!F/)$;GL^@&B+OHG;BBJ'NO=9A*C?\[^&50])@[;350]V6S7PF-WRY MP95#TI_KQ'6CEB+54S>*F=R({P^O&_5,LJ]!-_9=ZP91D,9T;EPO#*HE0H9]-M%:K27SM"GS[ZKH$#BNB#NR+]'%K7SYXD;8?7E@=BT2HZ1H5]6#)*#S.7XK.%NAC$"7V?9M MVP59TU15E[@U%A*$TM(1&?]'>=6=!W!=$689TZWZB*7=1SB:"H3ZXA&EXIH M[3*DR15-XH%R6N\%G9KP5BTFW?C#5M**+H,&D8Q7#YE ML\7GE[3Q-.A%, L,[<+=5#(@\EVX? 9TGX3,_M4:>7Q#V&[]"C3->/.@WFOS! M**@.4]L_0"YJ?VIWERM>,ME]9K*=KB@V6'UI4GU[_|>1;G:-F0"!!.XQ,5*P M(/+2=+:HT)DEA>9]HHY5,"[=(_>6>/:M;1>3R"' MNG'INE{(H?]^6@%R2F)RY/9:B)ON^EH)Y+'0%!?82)L7//(#+>]OD<#@AW)-M!]A2[90%HM]*F2WQOJABO!H",_IFQG<(}>@'K?O\,0V#T$LV94,_^X5Z?ZBW M#06(PQ9)F8 FI\A.WH")@/#RIE;B4@^0D"ZX;(M&K8E!B ,NQL MJ.0Y3)?[5!N"O:? [:Q9V+M)HI6M1+BFK],TE_4^5 ;~(9P? #E>UK01 _5&__MD132-\NS-//B0'E5IX? $7EAFP@:3Y8C_($3T-N?V@%F3\D:85WKRHH@$9YM+ MSW\Z'&LH6K.IL3,9AI-]%Y:ZJ1R7+R3QPY3'TWRR^V-;_75?R!.H5/KIL!,H MAE,"*.NXJ9:9@!@[!R/C]L+S!87+EB+ QGO.$^2E/??YNEUT@J3/SK;9 MCZD*F$R_>$F@>SL]W"?<4_CUN22;[@#H(WQCV=4BX033ZE6YW*O>4Q,$\\[F(>/0S\0%H8_Z M#>FQR8N2&MYJ^IFD&0EVP3\^6NS^JP2SE%7,1R&,8CF&HP]K6>X[K=Q5 ?[\KN][;JWUFLRAJ**NVT%)>N>!C=\ )^W;W^\;%5VC:D2,@O[_#O^UV M7T_;/!OD*\@9GXC!=L% :W$P4`5]Q2.<5W40&RUIOSLY*,*FZ[^8)*%'1;;?^_MFH;RFH;RFH;RFH;B8)+'":GX&0WE-0WEU-)0[IA;FX0^N8$9D7C'L;'3P\>,$Y*F!#DS!` MX:335I:4XFEV(S#+R0W$&,733LMQ@\0>!QA\\EN!>W&ETT\&&HN+IY,>Y$ATP'B990[^M.O $="RM.C2MP,]I M'F" MT)-E\X"O636M1O-RHR49>H162T*)G3X0I@+X+]DA4\"]]"MC'#9]GWBDD(A:7@@NYW6[@9O/ MV/C,XS#9[[:8C;FK $<,RS&_5C0V M+>+GAS^^/C]\?7YXM,\/<:I@X^5I?DUEL'&?EGXX 1F/\K94Z/(,DON,XY>D80U)TF!MB+4!@'&? G/6K5LEQ"V=,]1LS1#VC'-F.@=D=QHP3DK?YBH?"8I\K&D@^!NL>W727NBKM^M\V:H< V(|. M^:HH$?E'ODRI3TB07<,<;*\F+='KE&6L9[,4.RW'AT?)Y E[!U+09MIP.(\ M@.)^:,3#,"A4PXJB7:3NU_XXPO-(R=G&_CD)%$CP(V,EK4IW<#=B"OUA%!,(6 MK!82*#QK 9UNBQ;(D*->N$(BMRWJYTG(MY;ME7/UUWUM8*.JZ*<#!S3<5Q H M[SIK3<;M1Q^=D:[547$EC1)37RFM%E(TG,OBDAPMFG:)D.S;C(Q>C;$ M< ;>G)!V;A1$N-V1@*R*B\)B^Y%<+-8 @T2[:S2\9##ABYT:-9NP3Y:,P0/F7 MR=;,2+9,-014!(Y$H[3T.+ (A%ONU;'W4,X -5X);4;(VE6XPOD\]!8.K:N@- MOOFGH&K@5N3)&L_1M6D:%?0.20$SBY0O_4;'$H?!0N;L5>3+C#KHP=ZE,)'EF M)DN,I*YJ2[&@Z0/- O*C^]W:.9FP^B=AN[Y/E[':1%C\)"H"4R>5L2X#@9:- M7H.&QU_CG%1U8G:8[>O-_/*F66^F MD5ET$]*5.AP0^OYS0N:IKPMX?G>9K1 M%4GTM6; $^"8 ,9S;IE,> 5(0NC9HD)?4X9&#>5&[J^AY!K+4DTA?HT;"7XM M;P.6W8UK=6H@F@D3V@UVK9IY0H/<9SM"9>3E91_$(X]/(%)24*K55*BDTSBH MD$E5!1X4P_%+:.;AT]SQ0-S^- ,%/[AS[=#9^0H:!'Q\]M^$ M.CM%@{83H.[M'!#<#2$:**N9+%UY\[9%+V'GY&O.PSB[CAG]6K.H@T_.1C/2 MTJ;L0=$5!MZ]!-&'?/)#$46Q,$/6H\D.3$K$ 7EN9H?? GB1SG/U9JF*6'_&SQX M+YT#)..+)D)^_04_?K6>'G?GF7A1/53[ZE[>ZA3#^P)<6)*E7U;.)[> MYPE71WVB_$9L>BX4Y0$E-Z$WF,8A=G&3 EJ8-@/8H>7?HLGIROU-MBGF0.SO3>;!? W%K4*RG77-B?SVGA?+;,5>-P&R8[]K[M@'LTWJT[FSB<^2 MI+&]::P+MX^%>F!!(NV+F@--)W)# 93*W,PW-"71QMWO.:5K4JKA'6,8(_:)X7+!/.6(K@L"MBT\ M5#?#YK-@'S| [*N!@:9NG$,/_M.DVY)ZN"PR_;T%"F0RF&$**ZHFV;ABB<@ M%ZB#$O?=-Y0O^:"M@:(U!D%P\7)>CQ?$,3MUULO$__23Y%#/[*:? MP.W!=7SNI4]B>0XP+,9IM2SSP1B/;HBWE#S0;IZYZG6Q:#!VL,ZF]%5T.R) ML;IG]%HP++#WT1&$"F*<"U'9.T;NBCQX+P04AWW?C,.6\)-B GT&15)MWX*?2^.)L1+%8^,? F@UM2[GG^P^,/'B8%+[O,3C MWYC4/S(IOH+]+]G%&>WBDT-@WT]4EVI%A9!+IB%)[$7;FS>^8]S0>'G#3%U0 M7.[#[R*ZS>M&%$@G7^E50C>B\;\- #/$&7!%TG]$1%1AD@8A3T#HP!>?IU.XR M[<#.2]]/*8:?HE#5%*.\M:H,5QT;U5LKQ7#\MU9:Y:O+04Z(E;QXC1ANV;;Q M-&6JQ!"11F790-$XS =96O6IL5Q.HYUCO8;EEWE"U_*L=3;D< 3F\RL3-HOH M0F'P- V5NES_.UKM4I/FMFER('3UE62'W1W5%&K]#Y% >-DSG=V60[$<+!WGT MD-KQ'^FWU;MFY65*O*P05!S2%"# (5L#P!*ZEW85X&J^('V:,2#RW1@Q1$OLA M487-?IJG!N^F*=:97Y\(.S*FHM$@5FTXS9#I-.4>D7O1[#$*RR=F_YU!#(%L M,P^)3I)_$B^9Q;)"HP;PZ%? [*41UD#]CRBI+;>84:'27E:F4+-[&6Q33P (- M[-', ;(7,;F.[PFSX1C*;L(R%9.]XMFV#:580,?[,K%M/!Z>PJ2SC:T!H[>4LVIB6US"LK"= M3:L#7>#LVU0\Z720BP-- WFQ*Q&T T]#:_= "8599],ZYPB3)*^7.WN EZ(/+8 M(RA3WT]R$ES'&6':H$BF98-E8X\\,)DF ;H-O.'U579$;0ILO:B[";DKMG!+ M-%-IE,.51Q3FDO7-/6DCYP]V1OVf]V;]X8'PPC&QO M<;M58DN^/$*,]-E"F4]F-@NV7]A=E##^'/4EP %G#!85WX,T$:F0PJ.6V6^$ M]S0CP90AXRW)8;O"69ZEF1<'H-PU\YFPW5'#3;0K]] --13Q.R_-2X"KJ;! MOK#K+*YN4C]@GJLBOPBC?-O.LHZ\L=#E$V"? MH5NXZ!=FH E79J;Z8*3>-5 M$DI<%):95\,!PF)2%4)ML0%)CBQ%O4?/"'F(^,CI<]1I3(1VI6@N)--#D)!E MCHE;[? %W$KK1E&@OIH85?P-819%?'-.XEJ+TD7VAI-"M6#X2-;(UME)?6C:IPD)N(7> >~"U MDAO.1<=XX,+-F5BY%*=H'YH?:/49)OLIE,.1Q(05HDO7-/6DCYP]-LIXXF0 M2D- MZV[H2CTUOKE1XJ6CM)H5G1]TX5=HVF%THZ^!)!KKAG3$NB5C_HU+;0YV M6.W>&$_]+'P.IY"DU6MC=>,#\ 3'*H=3>B-#2IL!'C]V@SK(1T3&$Q!6RV^-M=51B- QBN,!0;>`WS=0 P=NX!5$?%HH,P!MV9+XNVZ'VEYCCLU>&[&#?]WY/LT9?G?$)PQ7 MMI.SX[ZV_ZP:"CNO!{X8 <2C2TC:!QD+47!M5++&:^9]E3I5OZ;MP@8.P,&K!L#5AQY"+G M766RS3SRV.$G#OAF2774I^Y8-11VOHR!D/7$=Y9N1A)DV>Y.2#'2$2\D=S_Z9 M+3XS,>9.+!>N!@P[K08L71#YZ#MDS:[PKC,Z*RL9COW4'BX4%,GHPB@1TYVW-M$? -0NAVTG>`O]A%P2 #!#>%@O 024]8K;#UJCV%[7)QI&W6!)^2F^/QDD:Z M'I#%%!^U,"]A,L,"*TL)>!Q\D2D' M;TC CL0K =O9Q OR$X M^_$/_ +:G,_#?+O#=)^(^>&- ;2+FY.UK*N9K*N9K*F;+0KRF8KZF8J"+ZC45 MTQV!O:9BOJ9BNIJ*N6VT)Y?4?L2OI%\V:4)G\CE-L]GB(Z4!=WSN2?(<^LP& MT#VQHG"G' 9]7%8?/6H/<3V848>V(-;ICO&*? Y G+%Q21K3("9*7 M-]952?8T:0U@L@ ;K-T3R(VV?(CB9G3$3$Z\$C$-^.P.8M#;22AL(?3;,C M&4,P92\N.,T0"(N*Q-MIPNW=H-%-IE,.51Q3FDO7-/6DCYP]-LIXXF0 M2D- MZV[H2CTUOKE1XJ6CM)H5G1]TX5=HVF%THZ^!)!KKAG3$NB5C_HU+;0YV M6.W>&$_]+'P.IY"DU6MC=>,#\ 3'*H=3>B-#2IL!'C]V@SK(1T3&$Q!6RV^-M=51B- QBN,!0;>`WS=0 P=NX!5$?%HH,P!MV9+XNVZ'VEYCCLU>&[&#?]WY/LT9?G?$)PQ7 MMI.SX[ZV_ZP:"CNO!{X8 <2C2TC:!QD+47!M5++&:^9]E3I5OZ;MP@8.P,&K!L#5AQY"+G M766RS3SRV.$G#OAF2774I^Y8-11VOHR!D/7$=Y9N1A)DV>Y.2#'2$2\D=S_Z9 M+3XS,>9.+!>N!@P[K08L71#YZ#MDS:[PKC,Z*RL9COW4'BX4%,GHPB@1TYVW-M$? -0NAVTG>`O]A%P2 #!#>%@O 024]8K;#UJCV%[7)QI&W6!)^2F^/QDD:Z M'I#%%!^U,"]A,L,"*TL)>!Q\D2D' M;TC CL0K =O9Q OR$X M^_$/_ +:G,_#?+O#=)^(^>&- ;2+FY.UK

*M;XE9\H#%3OZ/%O-GK/Z+ BFM0$IE?9=_DWH*I+0""*5W=QW<6"E(@I15(F2@$ MW)19?;KIIOPJH+RBAU^3?10U)I!%& K715&;PS>HXY9ARE,HV.O%ZB:]5>H=_M3B(GMX;O@Y I096NYS+D5!T;=55J3V>Z]F0=CLT^-F 6#65E+GH*E"+D#ETI M@)=8O*"Q6Q2G"HK-I)N"(OV@.'SQESB15: OW@@ K*J?-9Y/7?WI3!IYI@^F MTXZA7|KCC4RU\|-&WZ>NV'2ZTS#=A_;8GS0-%,1E^&XR0S.X4^5C!8>V7Q$74]%""> _#&;K3'\^ M@]@!>H9SUQTZL\A&S&%=%ZS;@SM>67S!0[.A.R80)=P;-H/E[-US0G0.Y]* M&A=*FD]E_^A:@)&\"/H3 ,P[3116U=7+RBA_0D_=X-&Y3]W<'Z D#**PTCO)<I M%&W:$_48\|W53 K'ICW1W&*C+B72M>;M7C?I)B4|UYG/AX6LR8*^Z LHS,,W MEF_L23L'/UHQ0[J8KRSN, IHU]S<*''SGWJYOX0R]A\GJN%SS/&^??!5E] MUK%L5*FAG2_/6&9Q[E'.WT"E2D"?H?/FZ'"F;_DSB-WCJ3N:D42GO)AG2W3* MTS3E;$82#5*+RR"53O{Q)W\S("S&" C=D$FDWMX-&;ZV7 A&,?5$4Z237@O> M8C)[Z.']B;+#O;/&\@XZKC5!SW"=\PY8N+@[)A{B;0*R?/+IH[.L\19R!N>1 M-.0)B;>C8?- LP5)X=F.9G$[UH2V /1>1+"_;=A1"HOC6@#VP 5O/JLE&0X) MIULF.M7-T9W';ZFBTPT$CT;F?^:0N:8[DZ?-HR$AE'R6D_5%A4!63]@> M^#0(.4UGBK0 *?0W1DJ+!C^K->?8>+G4>ONQ^LQ;4/ZFH#X.P*%NI(0G>, MH6 Y<@&]'6%\6_F0<%"&W;L.I\):?(6]1[8)BZ+)I PL)X4&73N._V(5Y MIYZ_^. C4"@[,7(B"526(VF*:HK[TPOY*:HIJD\O-Z&HI[@^E22*8IEB.3U' M&&AJ?_S4_N#W%P1]VPE.^'[6)6N3OE_F2Z?_32:6<8(5"I6,OP*^*[_R05!-M 1-7MYHF9;A,#96HVQ<6=?4^T)!DT17]:?-(%U"#EYHH..B*S:Y>#A0<;SB6 M\%W.H^"@JV(]=¥MM49XB,)9=5]PLTG CW,X6Q06--*B]H$%&V#U#B@L:7WC9 MBX$NJ,8(Z#J0ZF9/DU6SK0Z@U+,+% <.D M9'7='#H=6^.F#G6 QT*.D7%!" MP91F.&4LDJ%@2C.8.A;"E&S49C9FZ3T|_VSA:EP"-E"))?A1"*8%0=N.C W 4A0*B[I41&%4$H@E*Y8R"Z$*N0+55>+[X;&+G044'WP/3"-H(N3.GPG> **)M AN|NK(]U@+L;G0" <%C/0'=51XYXQ9FFU]QE5#(?$E*MBRIZ\|:"(5TSA%V # M0W&2-9RLV1Y[(B/9G@UT'3(/:VB*(@PU2[(NR9\LF):MQ@(9ISE8N ":PB=U M\$EE\.R3PE/X1 L^J4S? _7,O"[_4P2=%>9=O|&/HYF-'T\U)?0]^87LP@45 M=/1-*"_TU5N@C75A-H$&NQP[)=7Z&4Y]GCS'H\754R&9*'==%4WZ231D8-NN;9X)W MRN.0VG;@CH>^/44H2%(,DBS&[Q1:V8-61G(:"]WL02LC>8:E:X<96FU MV*750C[5E]>;QM+9Q2D\ 8C,5_0FOL.[B"]D]7 ?:0"/\LNE M#A3+=4[&]E.'M"\N>C SH.P31<.Y6"]>;.9F'Z9H@HM%?]\4CR[*#M$;<<<0 M%W@,0X.&&\CP$_S!! @2LGL?+R!NKO[SG_]\G#&&N5"(@.QE!XW')L(69R:.S ML0;3 <_,O385U)SU08[I0YLS^L!,!7TLJY=,X>S[__X?MESX\/%B!L?Z^#_Y M/;,C T6Z9. !G"LCWA#%@\OFKC_!=SEN>95.,73+7 MBB#^9CA(B:$!LO2!L?\XU$SH0IV_LZN,(IKSAOP*+M&G*!(0D_;_=Q%WL48= M61GL,]0'!EGOO*#(8_@KNHT'(? !C\,JATQZTFO0_4"T^A\OAE=)OJS?:CS< MMP?M5I^1.YI,ZT?C4[USVV(:W2|?VOU^:N|M)FH+O|?ZQ=3eE%OQH]>G6>+7S!}4<$V?:=_^A2U(%CK*Y<;OGM ^.O,<W>C SH.P3U<.Y6"]>;.9F'Z9H@HM%?]\4CR[*#M$;<<0 M%W@,0X.&&!CP$_S!! @2LGL?+R!NKO[SG_]\G#&&N5"(@.QE!XW')L(69R:

*\9#VT5\!7:SFEF]@AC7/6X/UVV]FA:D3S,?X$3G!$!6^09ZH1S6I*8=NS1DM5W$?B·M;C0=)CUJ8Z[K0!47_^B3#>M-MX*LHN3N&E^P·Q!>5GY*:]U4KG_.AY·AG']=·M0Z8L%G?*

*H2C4K8QE#I@RG:UK:7%2$N8CEM>*5D?]VIRF?@&W=5^2[?%F\3,MO·MD8/*>[=(\Y]·L;EJ_-XXJ4ES]\=XH,LC·9LGM*V_L87TG]8+BPG7·HV":@"W(!^+.O*·M%\A45%8K&3B-$AH5Q7U0I=-·DP40$F6GC#@>L7;4I&S/-$)1G'4,1VFAD=$<]·M79M!$[+H*8)]UE4)W5V/FWK·GP-.?F&39_Q3,CCAAC?,<:X8.F·H#^6P%,TS·M$,&2+8\++) \D@C:EYC9,LDQ,R05WP#,'+!OZV.CC$"%0WZD)7ZG8O0G.RJ·M)#PZ)P&6D[·&QK2\1-KI<;E*%QI:QA(95C;SI7>NW8$Z_WM%4;7W+V^D3M%P/·MJ7V:%EAIV*

*&·Q!3'C2%*Q3'#X9;R3[0,-7C*8RR[\"S9]O'TZHP#3&GPL@[/·M$MVB8-DD2HBS/JE)]&FPBV6))#=$I_+ME/_'4]*·=2F>);H54RWO4W88OY1I*

M562'N+82^#D=I5I_T#.Z(RSBB2V[5?4Z7T@D·]Y+!@1!'M!(\Y["$.·M.J5[Z6A0X,&1/=(9ME·N]!GUCC/*D9;=T.K93.55?K5V9JZ"CJG0:=^]=A;-·MQ]??GQ7C^^?2;^_?:)=1'Z1Y%'=>'E@T^SC$Q1>XTR&^0%%#$_M·SWX97A49T9\ON@)=?QM1M0)V>G68;#_I?4B(!^#/=/·&(%+0=9ZHHR:SX"·M?T_G/O+

<[PIW"""]#56M>$0^=^V/I_8](B/@24=+E]+I/Y;]'T91I)=O2KS7·M&3VBD^];Q>H34#5EPPXB@+22%HPRNB/GH)FU&[F,H@:ZWA:+QE?]:YQ+V%*Q*

*MB+,*I^R%'%S&^AY3@N,JR265.)$5NX>"!>8C9,>,]5_!F(D38/%$*[.JN9KG·M(9;PD[>WC:4·B!9E\63KN'(UST4("H"C6H#@4(LGW)Z.VH"T06!'N,437;1B·M:SXWAQ)$@'>PY>XT*

^60QWA;67J@RE^%4_;5=ZH}^Z;?-(YW@CU7:%;Q.Y2Q2·MQ=VKMC.4J(NOZXE$J-W._R8T>KCMZC5TQ(J;R#82J.9"]fGP·42R-0P4%V'# M:*+5BR;JQ9#7E)$<7%L>*

[$€RB^Z5H,5#)UN*N8+D7%HBQ$8?!%=ZRJ€>+<7?TVM/G8D%L6PB46(^2B>U!R2·M33H?>0P8·/L2,L.RYYQ7=$HB1·+%L)%*TF DIGO->1TKB38BW9V[&W!OV*

M\=&_BS_/I._Q8XN9S.:]G"7;E<===GLXO2GL#F@HK:E0K8FD·4$^O11V;S*,3R^0·M·&C1U[ZP)%;^NMXIL]/6=V5BU#*74WMYZ'·KQ8'+&_L>=26RIHNLY:;%\,<$4·MNG)>"-

*DAB>2R_BE-UB[WJ3#"_+IU70QY'IY/EJUD[/#;)Y+MX7@NY94+GRU>Y·M·KTXP!TAUZ$N%,>C,IT.@=*T<66=VY:9B"BCSEAI?_·M]MOLBXO1]9T4I\!H=U8>W[/JA*

I!#·Q_9E@6)@5"P%Q8+PAP·AZXY2@<Q@·MX$>;:ZSBA03E2FK[4·Z4.Y.I\.560AZQ·MCRI2[%>BV@%[&'G=U964.A;BQUM\IO7[_];E7_(H<:*U:P.%$C9'GNO[/EOQ

M&=$'$EM@[OF.%5DDOV__YO.B,A.Y\)(?L.?3B0IC=P1:1R@4H#.)2FE# PY M#E!BD.1"!A^_U._[·/GU?·>·3_O3843/.Y D5]EC6*8A'?6H-3U)=(,(@3EU22*

*M+TR@)1#PE.Z(4"K)5S30*26OI<&Q2B7Y4@@ZJ>3U-'AHJ1R@AB*)H.4FH);" MELD[.G=='_Z]WWO*(.2N6H*[RCD5·#N,W6Q@@A;49&JZ=H5(-";BE1-UV[G*

M3ZLJTC5SSN[Z=95N(,>]V1RN,7;A]^27WI_1H(&$U5:89'Z2=P1852$46-O80I#!5S]YS\)?9^ZQ·M+AFV,#.9@3P%M,!S\Rl-A74G/5!CND#?1Y1@:"/I;A\(75V+-]AUHG7·3H*

*M+BLTG5=] !A!%+7I3% 7],Y!U4PXHJE!X0ES2481)PF"=U#@7_"C0,%]/%(·M5@55E 4%T@4_F,)!C7,HV"L"]*ZS#@?[GWR>N9&!(ETR/8BM#_;,?^9 %<$E*

M4V;R>7O])/G)>:EWPYU5YT/K57D81<$14)\9^P/G"V7'51P,J#S93 MPF.A4(^??:!/KNK·;ZW.@!FT&I\ZW;ON;,O59SYU[YKMSFT_Q[0[C7/K]%9R·ME#6ZG6:KTV\U&?

*A3OW07;M8'\)?^ /!S!=+69]HW\$]?>O>M3_"V]K<6<]?M·MIPF1E;CLWT$6ZL.81HD&(ZL,3'\9A?C/=>3/B1ALTU"%91{*3HS]S/H·M>-·#O<")%YW0+E4>6Y>T6G]!?I07IIR>;GY[%F/C-*

*I_E"_P@U%`,;#)Y·M)N9<,.\>'$/\_BRZ!&TS"+-,19@94,^=GSXPS]\D3M·HA;`.G)PX,RO5=]NK·M1%HA+1<&.OPCBB4+%9CC6S_5^,+CJWE;GHSE5N?GC^J9U\BIZ>FT8J2*R.>7*

MC/·6(]?%UW^*Q4JQ7<\,(R5K'MCU&?G\)(VN@3QD/RM98:1AS0.]/B-RK:E)·MH/+/PZ]A$HQ8·>I.10^MSYY:&?**AC/;,!IC;?RS$V9M6·;KPQ4[V.5ZBL#/

*M>GE%*R%:1UKMNTG3"NTG^O3OL·)98,CJ:M;MQ|<.·[[.!X)·9.+.L:3'28#4SA·M7R8& ^!D2Q^'^L75?_I@!KT8S.4L=OA";GNH3<[Q-)U?:·RD$,O,6]EY;BK&T*

M8:PCJQ1BWM/FWIN(:)[]>]:3MMD!GL>3B+WTQ/MU2U1SAT(U"C2.RO);D#!/·M)4PQG'$)'P7#WGO:)=>>>=D_71K);QZ9"MU&^^[Z51YKCZ\O&V1,NG?O&C% MH[?*

*HLUXK=6=_X*Q"/RZ?"]W*WOU+[RW./9$>YQ6HN8FTF'^V> MCT Y>1?#9'(''=FT$'^U"C:\,"RQMV·MS0G0&\HTHL)4·WY";P*X)=E[IJ,I*B.IBX/YWAI8*#U!!UZLK4K(IJCGGC3*

M+=5+>IP[4(^|>(X%P8AN26!OFF-4Z%>U$6,*+PP8C8!H7A)>!TWS&BVE+2VT M>>OR=4A=OM%TJ!=J8ZY#M147·UU0#O8E@HCVF)AS)4D&&$IBK")3.#D1K_1

*MDM!@X;Q@,N"}$];7R+C;u;,PI[VGRNNO2·,"@8XIH)A1XI(UTK*<<60QXHH&(VE M&8+3G1K1=(<+VZV#PN%@#MB$#!:H13,VXN%?S!8+!.VJKA85:KGS]8G·*AN*S*

*M@1V@=5Y'/^N/4]L5K+!&=%UYM/7P28[T\0B I*YV!?1QZ)6'XU?CP;4;O]MW·M?F.$4,5"\,V85=&RR=^VT@BDQ0W^=2.PM2*]'6@6# M)%;<$&_I92.0YKQ4AV95R<[LKF*

*CWCH*G=GCS^SN"""7>HLA&_%@,N>_[IN8V·M>:4·C&K(+G"$+&X).<&1BJ[";#/;"QFF*Z3Y]JGT^H.MSL7Z[PSL*#L"X\Y+·M·7M.*

*\T4%;S"7$\9R1$S3Q^9W3TXZ\QDC;\'79=[__^MY+CR^~YYM=OK=XO|BWWJM&\;M5;O<"> M+@<&R:GP\&I=8YL,AYY%A,4*F0TBT*_M"9JX&N/4^CQ?L!OC]&·E·+ZJ=R8_*

MQOLWQ@DFE?]G$\GZ+CF50S7)H5>]Y04BSUA_HR|TE&9YP6·?X%Y^?H0.A)M^·M'?=N

*HW7)&WP.+MQHH^7Q;X3?'3XJ_EG)IMS,*YK*K;3:L^RT;>3L+K.AB_9#AA))P>$@;71K*I^*Y5;$CB·MQ_ON4$@K%>_TZ+W0O}^IDW5$EZ8NP]*4\S5X?*

*Z*IA*)L.OI"++74NC"534&Q03G\\]CXFLOGG|I2\D"9 !G8 MW!G@=\49!5)]B@'&\+2^"H1+A2T;TV45NS+ 7 'S4=F< 49Q-9@H.E]V+EMHH·M>NI-*

*^ZUQ[UEXK*8510>5/IHW^HETW&U>+LO"K+I]"7ORIW#,QG-]W(O=NM1G9·M4)C(ROS=-A]X'4I7]U(+Z_\&14"BM\2+_SA.IZ"\VP5U6]U.V+-';IL7\9BT·MA>.-1OKK-*

*7%_/6ZUM1Y'>T$=!K/1N^,%AME_5QOIQ<659\Z%1V;X\&TID\IO·MCOO)$6^!AK^!%TH!4#LSW*5WYW\3U>$(R)FA+|T[/R/"HX$1B^K."TOIW7E·MI\NDTH\;&.(R"\>'P*

4Z,X2D=^=I(B4WQG)F2$€OSAGY))Z=UYBLB'W&BA·MHPOP|HE!-(.'(·MUP]I=(B)A_)8[#TRQP$HBT;)@=+|:72M&=-GA9_T|OR, M*|O659X9?M*

*f\S.B+";S$K7S,Z(L)K,2M?,SHBPFLQ*U\S.B+":S$K7S,Z(L·MJY[TS!"4WIV?$6DUT% 692:UDK+S,R*M3KUU9LA)[\/[B*Q>62+K]7F@*+"O·M6K[2%W'-:K;GS2Y_)#»?VEG3C;Q2ZO*

M'4.%MW7_,)<-''D6&R+ ^'7RX%!0!MW 0##$ZZ_,1?Z"8>\5;X[>-@[/<)[!·M;RA5SAY8>+$%/DTT!$C!%#;O4_$7:98!KF2XR& MD]BQTRN3ZDF5B?=2_N5MO3R^>AS\O"VFG2O?

R\D;N4\]7_L7_KJKIFDF%_Y2W59ANBV)&V.TO%4_MK 2\0RF(C9V9EMIQ1QOS\LM3EOUK-[·^930&A,&;[·YAM2\O[B·P6W)9KR2;+ MQCI5_BM7$FI@;93!I.Q&F,UKV(+VW%MB?

*MB'8&4R^2+)<9[C/?^"MY;XJ18 MTI/E,15RT*R?%)"""CV,"JUFRS>7*E99AS)#4F.E@)=S"LIKT75!F")Y)/C'Z MBVL^-YQ??]TVIH48*EE.V7\^-*

D!CT)"""%6V(APKBOC0&!B8F0TX4C+&W8&47·MTDF63$NZSW-D$79QUK|'+UFZ2#JUD!!%!$T8{J8.W,G;3=*AQ<0@H[1SH+30 M8I_1S%X4DR?.L&?[2.*

[HLLVMCM#3X[Y2M/K8&?3_/!AL_W:_'G4FI;X\J[# MD^W?Z@!LS?XG@F\BYB 9DR0.#@DAJ!PC$90<1)4/O4$Q6S,\[Q([/21VX·MDJ{6;I$,K(<19/$?B3(SV.SG9)8+&(EXH.2H@@Y-*

*>A9J)+^)·7@H&DK[_B%1# MP+F__N*Y6OZ3GY>;LKQ^,F#"]W(;$ I$HIQ.0.K!.9%^C><5(&GL:58*

MZ??'PL&,TM));6$U58%EQ4Z/_,1!BXE!1FGG0&FAQ2#+BC&G\\C2+$%020Q^·MSIHZ0DL=E@YB!!4K0:4_'908'#"P@05,.N3(& F!H>,H#!!1:=#\S3%R 9_2T·,T 2/IEL)Q^N4-*

*_9K(AFPAV\RB+B.9K M[I"HC52R"DG=]!?F[^Y3[VM]E"_L&M*WLP,@:@_&8.>\6O$\C$)V!\+1#)* M2R>EA59A$FK:L2&E\5HO<"6&O!E·MJH7]6H EBHZ8L#\'81^Q*

*B!UX$\6;[(.K8009\1]@F2#.S'* _^1D]!=;(DLV M1N'OL&"\)YE M[=(0S:FFB$HG6%W-C!D21;PO*C^H0SYUY^6V*B_Y(9+R43\·M>AVG8D JRUO8YQ;8DEBA#UB7@·R·B\B0,D)=?*

*LS@8?;H-B> ·#H3RRNI8K-QPA|\·MHHWC^·8,(LE#A621A?I.\>982"TI5 *%4I+Z·'/#&F,;4Z-@=!L4V9LDQBD·M,;8Y·09"LTWEKV:,D,9GC$\A^%GSF·!(\|\·M·,<>ZMY%)F>A;.W $3=-*

+ROT/_M/@GI7CI_@D0(A3 #BL[#X!^V.%5HS2TDEI MH6W;PCFF·QEQ)IHXF1ADE)8P,7B6O7$9<2;..)D89)26,#$8L8] ZL"=K·TD M'5IH)(<[R.1)G8HH?3TYVAZ2Q+8.E?*

*6')'3,&=!\49!5)34%7975D1*8"G$. MG^8KF6(NE!0"2Q:M_,LS\UG>64Z,+#PYV:5+,/LE;SG[ETK>X%R<=\C)NOPV M\C7·O3/L"<^WFHY/6#--71[,3&&@IH)YV*^A(-?N+0?*

*ZRTQ.>]H"QARI!O-/S/9G/?E M9G[A?O\ZTWY]K"H_"ZFZ*AS"1%E%4^Y-,58)=''DH@BHB3C!P$[XNFIH$7U!> MSVT C4Z.],P!15#%[/% M5)8"V:GO82>P&W"34T9&C5H5*

M_47S<^>V732D[MW#2\Z437SV)MD#L!:AK QGD.V]/!S\3^6P5"(.I@KD@011 M&>/F&(_PG^/N_F2\$'$L!^.%OX@70FFVXDDU6QD·MT#;&^5: [(_6&SOEK)

<8126#L.BZSD8V@HF\ORF1S/,P7& MF/:O8·HMV>2(?!NF04@EVMRU-5GC"%_)Y/EL^OF6Y2$9RYZ"92-67%6<7)Q MM5QD;PXF"P#AR\Q(^EF)N_9,N%,V-*

)IT;K+:E\^_#BQ;]3[T/><7P6;&7+ M(R:"/I)AIUF7Hi.;[+N6'@8@ Y3KVJSYT$>($$?=0$=0YCFIJF@DKFAK@RZI? MPA0B@:2FKTA=

*(I;EW%!6!564!07V9<57?4#HAQBVZS\Y+/|8_%Q?NDC[JPM2FI[@2)AOK#?L')2(8E\Y MIW2$.LHJN/W/S 8\,TN>Z3FJ?"_T MUOX5_@0#|\-^W)< ",E(>+(@8(.!I6&Q*H+HC5"(?*

*TL6N=W/>0^###$<0FG84& M·V[!IN_?[\UVC^LUZY_;kLQ^.,F#"]W(;$ I=;!8_#-=MV|UE]_\^W80!U>LW4&]TVXT MV|UF@X-7WOT+WF+W3SAM_M_UO)\>7W7//KMU;O%_>6>]5H7K7]K=[KF'9]#!2\]DVT&8@?3E8Y4^^<,=9F MAJ!*L 9Z%A%F>YQ(X 3ZM0,=C0A]V):B6*KIOR]!A^*_046(]M^^QU6V/\V2 M9**F',+4*

%:U7[WGGF3\',.I9_]Y;=<&6\L'5^^N%NFNJ_)=4Y4;!^-DZ/6 MK1XD.%;T=O#<'JL<,&V]+S<|H@MIL!1#^"MWSX^CHYHXN\%LA/>'@DBK&YW M,_8DO-B.U1OK8.?*

*=P+MC@VN"M2:MJ4O/QX6Y<#<(#XJY&#GJT'/(#LPU1V:0 M4NSXPRE;Y(@'_.I ?_N!H]6+],"UE.,F/3L!9RK"E; I1T]Z=HB0]*U4A85 MI1L+Z=FI0R^]YN/R&V':MEB)0F8(+$BYD->4*

*3)\.DTP:,O(LY4!.STX9.3!R M2:UX5TTTGW)E;?W+R3HL=36\'I!S^Z=EIBBf%YH=2#O_T]#3% ME,)D"]f,4)E,2N-,44PJ3*8Q2FQXY33"G6=;64(R].TTOJ3304!9E)E48 MJ6P]5:?*

>2CGPT|/3%),)O3N23O@'-]|(BUD\DX+F7R(1KK=_F+>F?*%8J-9 M./BMR8sH4WK71|1#-|*UBH1SV7\,&@Q_=[#4&/?S3$7^VD-_3|S!QLL^=FGS M/Z<6))LV7(Z9)TB4:RJFYJE&2!*

MMK@=M"=]KE+,AFRNDD0B88P4Y DIGXFFP4"TP&DP|#<;1Z>[PMS;QG7PVZC\·MN.G=WCSGSTN>,UY^/R^E79Z"%W:##!-!A*GE8;QS(IML*

*MR37·QF!M^,*9;+&·#@(62B0,2X7!;0.8X:DQDP'C7P+,VO2=T&9(7@P^<3H·M+\XZD\ISJ];0M5&$(H$UTW5CJ PX(#3QT4DM@##8$DB/=#@P,K&UC<8\I3$Y]*

*MN112*B3TZ&=_0(;,\ST@P^WY'I#A|GP/Z$G'@>5FUS_8YDEGZ,D076EZ73#& M-+MSV-Q3Y.,'97+/W4H/GE9H3>O2S/R##[?D>\'RTT])^B38!,57Z M)3@\7P@9GB?NP:5@(*

G[;4@U!'RZ_N+VMB60[]O-R?%ITXA[;B?N*7/1:IADR3,G!X:B2@P+?*5 M'·;-)QF<24+FZ:'!Q!"CE"102F@Q5$V7&#I_7\I-LURZ:1;/ ?X-&Y/D;Z^[M?*

0N6D)5OD6_S^QCN!TW7B/G"I\)D5'G^\N"D;;R@G)V^R C'@3.+G]$CC5 M3"Y72]X;^O>P>(+2-SF6OF&40"F!9Y3 *(%00LA>/8P2SIX2]HP2&"402B@D MD!*"$Q?*

*>YC\UZ1X*RK&#UM35D!,8\'RWI0'0+GQI!-!+MYE5';<[)&HC·ME;Q"?*C^XN';^,?7^?VL4)#^EBL)U&C//[..@9OT8LHY&" !$+})3)*B5E% ML(P&(RXFAABEG%@.I2RCP8@K*

*<3%Q!"CE'C%4#YD8#TIX&31E(/E#.TBU4,'·M(PYWRR(?SRV+0GFW%A,)DBM)DF]GAT9"I&S(5$7BP9DD9)X>&@DAKI#9CZ2·MDZGPOT2%+RGG>*ZH)%HY'!V=Z.FZ!'*

!2$0Q#'LHB 7=G>*O+CX*?)2BZ+@"Z M?&5OAT\+F'AL,#*%*20*EA!9#92:&&'$Q<,0HV;1B'&4U,RS$=+ 0$[Y9 MMC6<<< 43[1^_4M1)#Z?*

*W!@2H^$3"+A"DN^7,569(E59'''D_+2G@9&(F#:K2·MKP0+N7-7@L&)%.]\U38RZ52?:\TP^HN>,,)$FO=[56*C\|+?=; *< H=G&8H4 MJ_FDS·*B=G0**3+T&#$E0#B8F*(44K,8JC(Q!*

*C+B:&&*6<5@RQ>@U&7 U6T)%[]A'WO!V;A]HNH1IY_&7"F 2;X(S-$66K!43(\YCVN]1PQ !·MN$T>0!E·GG]_I[+ BB&OE#,R9F3,1"NC24:3X45KR(8*C(P9&3/1RFB2T61X·MT1[JR:*

(F1,2(<)]-QR(71L:,G>,&@+)E)!QDFGV403Z G31GNE.G:l;B[·ML\E,4$PDK7MP4#:^6(XS-54L[W;U]#·3I6?9WS&^"QL0C?6&I94<4U@BC=?*

*M"QQ9B_QS<,>@2Y%NT*FU?;G97_3^")W[2N/;CUZRAC>%,_%6;\|P=ENJGFKHR'2=201]L%[1D;·'N7\B1^.I%]?·>,W MI%QR;I(]·*L0RED9uIP_O$]ET)=")FD)I.D$41'CQAVY_)_#*

*[O9DM!RR)0>C MY3.BY5";I?12S=)%2+*52ZE0,#]UA^_?*^6)*K&]X+$2@,Q,KES>*\#$A$,*A<.Y*KJ(9<*,EADM)T1? MK,3$0RF,'7K*EO(QM-/C*Y5,I;C;?3/&=*

(SI3L5T6[%$;DNS_WV4K1!8.NN M>1;SF4(NA88;RT,QEHM%T46K:"D5X^3"7?928#S(>###Q/|@"GRQ5"D&*S*?·MRQ0KN?0QTH8.SF\>&^R_^G7?]%((&6YXS$?21#-O·*

*NH^8!KN4'Q B M O3JF# ^=·!'B!!$W"!#4.0ZYJ9H)*YH:(.DJ'L'4 "ZV05^1HBXL>+FAK JI M* L*LL*.AF Q0\Q;-=_U#_F>Z\VG<-2:+@QD\3W7!@:F@&AK^/1%IX_>VK_"GV_.OL6X!(*

(1T)·M#Q<#!/P+BTT)5'>$2N1#NMCU;LYI'"PX@MBDL1#@0ZWQO=GN<;UF_5,[<|WY MV&IVN4^=ZT:K_,&X5KM^IM_WPIBX{IU.ZAWVIHUFN|MLM·GS0J7_!6VS>=?_O?

RLYOOR>:W!]UNK]XMYR·MKQK-JU:]U7L=TZX/CH)7& <3;88'U\HJ!SJ%,\?:S:!4"=9 SR+",(^CWIQ·MOW:@HQ&A#]M2%$L__?,.H!]&W@P9#?G'C/A<58N-_MA,%CQ\5"

*[#X4@$]X:2N(#$/=B IQ·M]!·D&]LQV[**N!MXVXF/#(·M_%9*/;LY!78<<,W_`>AO/W"TSHX'H'9FN$OOSO\F]L,UGF>&OO3N_(P{CU8Q·M651W7EA*\]X=^LJ]W/44QZ8?*

*MZB!RBQ&D/3N/$VDY*8-5PP)Z=TY·M(Y\$("&].T\1^?0TT|)A9/?>O*L3A"?Y5^[M>2")Q502B99-O)·6)X->:C@5·M_*1WYV=$6325>&;X2>_.SXBRF,Q*U,*

*[/B+*8S$K4SL^(LIC,2M3.SXBRF,Q* MU,[/B+*L6Y!GAJ#TIOR,2*N!AK(H,ZF5E)V?$6EUZ]TS0TYZ=WY&9/7*$EG;·M,P&F D7!+8?KI%E1(V;@3DLO]L):V8.R3^EL0-*

*)'KKAWG.D7?FK/O-@0=Y*3R:M/&3M_*JI.Y ME5?7>6US!WQ=B+Y*Z^+NZ_.OC=3D!O2!12%;536V!UH"ZN!W4IVHU5 G9 M.B@-1,08,8fKW^FCX7*!T7 2·W9Z95(\Y]3+Q-*

*AU&7W^BGI?#W)^<<<-[ZA/%B·M(C?&],D.^B3DH,#$P)_1\)'T2?[@^F!3GV&I.ROI]?=FXBR=*B26#L-\[B+/·MA^TP7*

G;WF==A^%B)9OAB]6=>OND@:296/A+55O(X:&)@3^CX,^'AN/I\N97 M$#MT%"Y'&Q>ZU-FT6LA4"SQ3&(S9$LUL<;4U]7-;F$[''Y5CGB_+E:GH-M)UR

*MF(S5&*M%Y=T+E:KP=A//Y N,)QGM)Y;TX66\IM)"·PUK,9pI%2CH9*&0M M2[:Y7+?J2,HP9DAHS'2R$6UA;D[X+R@$1@\]QG1)Q^=(U"S'4L:P9 MJ;UMP0C%*P>$-@8·*

*4_1AD"BI"&-@8&):9 3!6.\T!!LS[&3)<]3<)[[B)N M\75QUK!+UFZ2#JUD!! K(8>5IQ[_/*5IM?!SJ:YX<,F^D>77W+7XZMA]DYV.OU;'8"MF?_C M^]F"I+*

[;#DN_SWVE:Q,.S8LL#__15[L,%;fNE_(OEC+YPG[A9,,0B8-#,I1& M-1-M-:20(D(G!X7D3U/:HY,8@VHY"=896/(?"9VW%>6})@5GT9V#15R->

*MA$H=N).UFZ1#*R'$F3!\XDR, CXYV:?8F# UUYQ8.A2BC0O/L:$0G MA$R M$A?T4C"0A&,%?24$?-K^0D!WORI\.+G\F4_KK?X#8H% E),2(%V)*1;<1'1 M*

T1NJL#36(;T]/MCJ0%&:>FDM-"V&LN0GA[YR8,6$X.,TLZ!TD*+098A92[K M,:19@]"2&(2<-76E"E;/K3;4P7GH,N+&7Y<]2%C#C(@SA9XNOTR$|>M!)

MG"SQQ>S$0l-8(05Y8G!JJ>%)+=6D^YEAXH)3HZ>MJ>'/G)@Q83 M@X52S%'20HO!LZQ 2DRCM9?M'+S]?+QN3*\'2^E$_'K=YR.,DL M;V&?*

*NVY+@H4^8%T*7;3O'&>&@=#&0B%4,"VA1S\SI#&V.34&0K-:D;%-8I#&V.;4& G- M-J6_FFU"&I\O/H7@9\UC0B.M'-/2CG-TOFD.TBI_-;WKD)*

PR2CL'2@LM!L_RHC8CSD03)Q.#C-(2}@8+3 R>'/G)@U9"B+·X MCL29F +(DY/=(6GLU>9R3%]8;S4=G[!FFKH]F)G"0$$]!5;0D6KV%[=HKG[!,E<%(W%V9LD$@R8FS

1#NCZ63M_V2B M/>)E>\8&B20CQ@9,M#.;3M;^3R;:(Q89,C9()!DQ·HC(!A&+S!@;)),&!M$ M9(.(14:19(.TT7RJ"/R$B:+\;:^BSNU|8KD'^34HC"^)3QZ8Y*

*MNK[D(']ON5>:^2ZP'''&?ZXL8=ED^R_?[Y%45I)U;F$#F4HU!FR/=:/Z9R>\| M+S?[BZ|7W^7+Y_Q%0Q@IJVC*O2G&*H,N!4501<0)!F[%UT53DV@_·MRNWY;(;#>#A@%4+:5:*7KY*

K<$·3HSTS %%4,7 M\54E@+9]>]A)\ 4<+-1RDM8'&HJ[CU:>Y:·?M_N='FKHR2=201]L·[1D;-·MVA7!Q?5S]^.?QN53\0&,"E,V!=F;9 _6H2R.IQ!MO?R·X3+B&=,RIDT+TV|)T?

DVC!·0<K1IJ^MR1KG^$HFSV?3S[+?]'D,A'+&5!^AA;F+'XM8)/EQ,Z^ZI97T61>F·GW'E3#=6&_8 M/R@1R;AT"#]J(1195N'M?V8VX)E9\DS/6>U3ON=Z\RFKV;\QX" M'XX@-ND\·

*/A0:WQOMGMZT6I_[&:X5KO^YM^W@SC8 M8NT.ZIUVH]GN-AL:?[^U>K^XM]RK1O.J56_U7L>TZX.CX!7&P42;@?SA·M9)4#_·<*98VUF"*H$:Z!G$6&VQYD$3]!?.]#1B-*

*2';2F!49O^^Q*4^/%;=(1H M_^U[?&7[TRQ))FJ*(DP-8%7[U?ON29,,,=$S1]^7=G&PM7QP^>YJE>ZZ,M\0 M7;YL^A*%(0+$N]2+#<L:X@U>&+TV.-'\9%Y>6VQVRO!8YZ*

*&HV)=;,=JRRKB;N#·L<$UP5:3W*ITSBI(S\>%LW"?!P^*,^]5 MB#UYR:V#<*!8^9X"YJBL44H=9SCUBAQQ??\=Z&_<+1LD1ZXEG+GYTQ% MN*

*0VY>A)STY33$BT2,JBHG1C(3T[=>@E%Y>_$-NNW1H$*E-P)<*%K*8:8DIA,H51"L1"=QIBBG%NJ>6 M<@2D9ZS(?MB8'H@SHC:%9KE4AOD M\]0>,;>)ANRRYJ"-'U68,-*

K(Z3LC539W1NHZG9&63>AK,?'QN_2$+O MD·,BZ1-9-9=':2

~~@:&Q:8$K#M" M)?(A7?1Z-^<|!#X<06S2>6A@210L%X5^%G<)LF1"K?&|V>YQO6;]4[MSW?G8 M:G:Y3YWK1]O)L9OA6NWZFW_?#N)@E[4[JW?:C6:[VVQP*K;N6XU:CWXH]N# M?VY@;UVN<\75:]U/W-5UYT'V8 M0Q"!#AM0%$OW_/[G]02D**F*,+4 E@OWK//"]('U=P"UAK5[BC%?!R7T52.YK8:+&I^KW M@OSQS\/+H)4M.V!??<1YD$(_((FWN$;2H]^]['\JE5# [$0:A5M)6&0I)*")]P MQ43(#=N**X3OPT_7P %H'HO_[XL;C!;SUV"8V!'NRY?]Q>Q)O&U'O5:?X2D]K4+Y7GCLW-7BO9D<$-=FW#. MN3GWX.]BUGU)ULN'4K7+)%A:.T)*!D-@(M07GV]_]A??NKGK/TKV=T^K).K& MC66-EDO_A*0S>TA4(/QLVS9HL8V W_3#H%W\9],JU>VK6*2P=P/2 KVO9FKT M]6H0+Q_K/<|\-<,7^8!H7@P@?PT/)>I:I)\S/#)`'& MGG:' "2BK" ?H'K:SIHURX-NO?]XW]B:=9^?/XY2K5L](,+!6]T&$]?:$_/@ M7?Q:Q$IX2)3P#(=T9973'#TL,#U\0#W<["/[D@4F6]*MK.5<>)DHWKT(!GXR:=Y+G;#:-P>&.AKSU THW M0S^:%BU$*ZA:(W5+F6P]*"661"8)6Y99R&W1XQ:!I;Q:HH&F(/9D@D3,0:YE M.]9_+"X_:G]Z?#ZI0G[U]-[CX%O>4QWSD#GG!%7BT)^9/,72_L3<9!LMWLU& MY)\X4LD\V)Y!)1F)9)O]_+K%""Q$,^]7P5FL!E5WQL.IE4_+[TK3:Q/^*SXERT4-L,<|9\#<*ZNFH(YDG$02# .9IU:#-IVM!7Q$+B[`M41!R%AR\&V2WL7.T,2%+T\]SAV-F;XRI-9D*LHY/WAFV'+JO$;)O 4L-9=@6 M4N1')#6?166&.>]CIDE/LJ+X^3U_DYT:@Z>/@I,8R.9 MID+O<#Y/<,V7GQ>_WHM?U7RU]45!"=>I) ID8$H /""*WV&RHH%?TW^\J PMQ5,_=RI=U-T!4UY$DFSA0 M45,4[0G?@EY2C3\-Y?OS35G.CM.C&NFIJ%H4[',E(" 4 .V('!@M]KL,@?EL M-24V\)IDQBY W:9/H[D4ZZY.Y3*YZ.)M4\+":P%?@<7Q75!FR'4".L,?@]X+ MJFGX^;@K/=]IRCV3.X$70P$>N?#/9IM02?$@ Z&?S3V+D6[H;O$U9E] MI9(2S1T;:+=Q=1Q.23F3+\4!V.T\[3B/5YK>T&8#ODG$R.SIG"\Q'9:XNUM@4M$95FK-/+]S784@KE;>P? J\\[']((`MJIA;A_$1G$/L]7?4AFQ,-8.T).H,:<2=7ZUM&E0GPVSNH3>_BI+D.:8>M0N+`MD<$!YB5R.D%Y^Z3#%BZTX=#PU!EDN*DB6)+!*=<(3@`E1'%M1EPT"5&.M2R* MSV7*^ON'%WK_'6 M4A^!937<--MOM1B5\5WI^5?QKI+8HN%M63'9/5L"XN]KH!Y1Y,11298K9M/B MQX=T]\I[N57:8IX-G$E'DF7IW(+N W5YBW19DV31>K>N&4L.P.4?[4$MJ.)S MHY@"Y3^UC@-T:9A8V4OTT-S <@FT@6*E=!.BT\-B)2*KQ5'NQ4>V2!/E]N\% MZ6U*-H[R+_YP ;2:M_I+%74D&*B!Z+^>6SA6/U+/%9S<97]QU7E\YCO7CRU< M;Y- ,,1KN>NL8K'ID+-VH<2N\["09NUUSD-LUFVG0#L#=(1')C[B9"U:!?WN^(MEK7%6*G5.^6;*"45Q)1%]KG>OI*MD[(&9"=8A\37OZQ3)D0XAD%(-!54B;6G M8SZ3+9Z'.HH,\2VJ]!+- NEX7\LO%86:'*$E>@48=3HZ?^$,VQW7B_"&=N,&K M:C5C4Q^JZ.I($MV]LY*VM54VEV<1L=7N=]\GG8EX48L MM:7TV068^Z? TV,Z]".*F:OC(,EX[V69"&,1%DQG56/,.I7Q:KB7O+)TCHV"; M;(FC;HPO'R3=S6^.=^&#MS75X]%UXN-A]$>K_AQ<%KXE/?3ME1E4/\+TXD M(G8FT$!T1!0* <=RJSV7*81MDIV.X$E@XF/!ZN0LR;79 A"2D1I M$$M6)I?A^,,U#D(#>YM,B/?R3297.)1=8!>2V#"P.:2E-F8(=Z\C4XMN!=T, MC"C(D^?.Q[N6T;T3$VX4K)$"T@S1!G3DG+ <.6@":DQ"(222(*AD8RURRQ53 MTP E7.E))7N SE^7&S6O[8W~~