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Â Â Â For the quarterly period ended June 30, 2024 Â Â â˜ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934. Â For the transition period from ____ to _____ Â Commission file number: 1-16525 Â CVD EQUIPMENT CORPORATION (Name of Registrant in Its Charter) Â New York Â 11-2621692 State or Other Jurisdiction of Incorporation or Organization) Â (I.R.S. Employer Identification No.) Â 355 South Technology Drive Central Islip, New York 11722 (Address of principal executive offices) Â (631) 981-7081 (Registrantâ€™s Telephone Number, Including Area Code) Â Securities registered pursuant to Section 12(b) of the Act: Â Title of each class Â Trading Symbol(s) Â Name of each exchange on which registered Common Stock Â CVV Â NASDAQ Capital Market Â Indicate by check whether the registrant: (1) has 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 the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes â˜’ No â˜ Â Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (Section 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes â˜’ No â˜ Â Indicate by check mark whether registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of â€œlarge accelerated filer,â€ â€œaccelerated filerâ€, â€œsmaller reporting companyâ€, and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act). Â Â Large accelerated filer â˜ Accelerated filer â˜ Â Â Non-accelerated filer â˜’ Smaller reporting company â˜’ Emerging growth company â˜ Â If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. â˜ Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes â˜ No â˜’ Â Indicate the number of shares outstanding of each of the issuerâ€™s classes of common stock, as of the latest practicable date: 6,881,838 shares of Common Stock, $0.01 par value at August 13, 2024. Â Â Â Â Â Â Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Â Index Â Â Â Â 2Â Â Â Â PART 1 â€“ FINANCIAL INFORMATION Â Item 1 â€“ Financial Statements Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Condensed Consolidated Balance Sheets (in thousands, except share amounts) (Unaudited) Â Â Â June 30, 2024Â Â December 31, 2023Â ASSETSÂ Â Â Â Â Â Â Â Â Cash and cash equivalentsÂ $10,031Â Â $14,025Â Accounts receivable, net of allowance for credit lossesÂ Â 4,951Â Â Â 1,906Â Contract assetsÂ Â 1,554Â Â Â 1,604Â InventoriesÂ Â 4,658Â Â Â 4,454Â Other current assetsÂ Â 592Â Â Â 852Â Total current assetsÂ Â 21,786Â Â Â 22,841Â Â Â Â Â Â Â Â Â Â Property, plant and equipment, netÂ Â 12,041Â Â Â 12,166Â Other assetsÂ Â 18Â Â Â 18Â Total assetsÂ $33,845Â Â $35,025Â Â Â Â Â Â Â Â Â Â LIABILITIES AND STOCKHOLDERSâ€™ EQUITYÂ Â Â Â Â Â Â Â Current liabilitiesÂ Â Â Â Â Â Â Â

Accounts payableÂ $1,601Â Â $1,203Â Accrued expensesÂ Â 1,736Â Â Â 1,765Â Current maturities of long-term debtÂ Â 84Â Â Â 81Â Contract liabilitiesÂ Â 5,098Â Â Â 4,908Â Deposit from purchaser of MesoScribe assets-Note 11Â Â 597Â Â Â 597Â Total current liabilitiesÂ Â 9,116Â Â Â 8,554Â Â Â Â Â Â Â Â Â Â Long-term debt, net of current portionÂ Â 225Â Â Â 268Â Â Â Â Â Â Â Â Â Â Total liabilitiesÂ Â 9,341Â Â Â 8,822Â Â Â Â Â Â Â Â Â Â Stockholdersâ€™ equity:Â Â Â Â Â Â Â Â Common stock - $0.01 par value â€“ 20,000,000 shares authorized; issued and outstanding 6,825,338 at June 30, 2024 and 6,824,511 at December 31, 2023Â Â 68Â Â Â 68Â Additional paid-in capitalÂ Â 29,229Â Â Â 28,695Â Accumulated deficitÂ Â (4,793)Â Â (2,560) Total stockholdersâ€™ equityÂ Â 24,504Â Â Â 26,203Â Â Â Â Â Â Â Â Â Â Total liabilities and stockholdersâ€™ equityÂ $33,845Â Â $35,025Â Â The accompanying notes are an integral part of these condensed consolidated financial statements Â Â 3Â Â Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Condensed Consolidated Statements of Operations (in thousands, except per share and share amounts) (Unaudited) Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months endedÂ Â Six months endedÂ Â Â June 30,Â Â June 30,Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $6,345Â Â $5,069Â Â $11,267Â Â $13,764Â Cost of revenueÂ Â 4,736Â Â Â 3,681Â Â Â 8,799Â Â Â 9,943Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Gross profitÂ Â 1,609Â Â Â 1,388Â Â Â 2,468Â Â Â 3,821Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating expensesÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Research and developmentÂ Â 665Â Â Â 559Â Â Â 1,410Â Â Â 1,161Â Selling and shippingÂ Â 426Â Â Â 428Â Â Â 845Â Â Â 847Â General and administrativeÂ Â 1,416Â Â Â 1,360Â Â Â 2,739Â Â Â 2,960Â Loss on disposition of TantalineÂ Â -Â Â Â 162Â Â Â -Â Â Â 162Â Impairment chargeÂ Â -Â Â Â 111Â Â Â -Â Â Â 111Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Total operating expensesÂ Â 2,507Â Â Â 2,620Â Â Â 4,994Â Â Â 5,241Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating lossÂ Â (898)Â Â (1,232)Â Â (2,526)Â Â (1,420) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense):Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest incomeÂ Â 145Â Â Â 107Â Â Â 302Â Â Â 227Â Interest expenseÂ Â (4)Â Â (6)Â Â (10)Â Â (12) Foreign exchange incomeÂ Â -Â Â Â 15Â Â Â -Â Â Â 43Â Other income (expense)Â Â (4)Â Â 13Â Â Â 1Â Â Â 20Â Total other income, netÂ Â 137Â Â Â 129Â Â Â 293Â Â Â 278Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss before income taxÂ Â (761)Â Â (1,103)Â Â (2,233)Â Â (1,142) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income tax expenseÂ Â -Â Â Â 10Â Â Â -Â Â Â 11Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net lossÂ $(761)Â $(1,113)Â $(2,233)Â $(1,153) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss per common share - basicÂ $(0.11)Â $(0.16)Â $(0.33)Â $(0.17) Loss per common share - dilutedÂ $(0.11)Â $(0.16)Â $(0.33)Â $(0.17) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Weighted average common sharesÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â BasicÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â DilutedÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Â The accompanying notes are an integral part of these condensed consolidated financial statements Â Â 4Â Â Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Condensed Consolidated Statements of Changes in Stockholdersâ€™ Equity (in thousands, except share amounts) (Unaudited) Â Three months ended June 30, 2024 and 2023 Â Â Â SharesÂ Â Par ValueÂ Â CapitalÂ Â EarningsÂ Â TotalÂ Â Â Common stockÂ Â Additionalpaid-inÂ Â (Accumulated Deficit) RetainedÂ Â Â Â Â Â Â Â SharesÂ Â Par ValueÂ Â CapitalÂ Â EarningsÂ Â TotalÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Balance at April 1, 2024Â Â 6,824,511Â Â $68Â Â $28,962Â Â $(4,032)Â $24,998Â Net lossÂ Â -Â Â Â -Â Â Â -Â Â Â (761)Â Â (761) Stock-based compensationÂ Â 827Â Â Â -Â Â Â 267Â Â Â -Â Â Â 267Â Balance at June 30, 2024Â Â 6,825,338Â Â $68Â Â $29,229Â Â $(4,793)Â $24,504Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Balance at April 1, 2023Â Â 6,778,438Â Â $67Â Â $27,920Â Â $1,580Â Â $29,567Â Net lossÂ Â -Â Â Â -Â Â Â -Â Â Â (1,113)Â Â (1,113) Stock-based compensationÂ Â -Â Â Â -Â Â Â 262Â Â Â -Â Â Â 262Â Exercise of stock options and issuance of sharesÂ Â 625Â Â Â -Â Â Â 3Â Â Â -Â Â Â 3Â Balance at June 30, 2023Â Â 6,779,063Â Â $67Â Â $28,185Â Â $467Â Â $28,719Â Â Six months ended June 30, 2024 and 2023 Â Â Â Common stockÂ Additional paid-inÂ Â (Accumulated Deficit) RetainedÂ Â Â Â Â Â SharesÂ Â Par ValueÂ Â CapitalÂ Â EarningsÂ Â TotalÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Balance at January 1, 2024Â Â 6,824,511Â Â $68Â Â $28,695Â Â $(2,560)Â $26,203Â Net lossÂ Â -Â Â Â -Â Â Â -Â Â Â (2,233)Â Â (2,233) Stock-based compensationÂ Â 827Â Â Â -Â Â Â 534Â Â Â -Â Â Â 534Â Balance at June 30, 2024Â Â 6,825,338Â Â $68Â Â $29,229Â Â $(4,793)Â $24,504Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Balance at January 1, 2023Â Â 6,760,938Â Â $67Â Â $27,712Â Â $1,620Â Â $29,399Â BalanceÂ Â 6,760,938Â Â $67Â Â $27,712Â Â $1,620Â Â $29,399Â Net lossÂ Â -Â Â Â -Â Â Â -Â Â Â (1,153)Â Â (1,153) Stock-based compensationÂ Â -Â Â Â -Â Â Â 397Â Â Â -Â Â Â 397Â Exercise of stock options and issuance of sharesÂ Â 18,125Â Â Â -Â Â Â 76Â Â Â -Â Â Â 76Â Balance at June 30, 2023Â Â 6,779,063Â Â $67Â Â $28,185Â Â $467Â Â $28,719Â BalanceÂ Â 6,779,063Â Â $67Â Â $28,185Â Â $467Â Â $28,719Â Â The accompanying notes are an integral part of these condensed consolidated financial statements. Â Â 5Â Â Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Condensed Consolidated Statements of Cash Flows (in thousands) (Unaudited) Â Â Â 2024Â Â 2023Â Â Â Six months endedÂ Â Â June 30,Â Â Â 2024Â Â 2023Â Cash flows from operating activities:Â Â Â Â Â Â Â Â Net lossÂ $(2,233)Â $(1,153) Adjustments to reconcile net loss to net cash used in operating activities:Â Â Â Â Â Â Â Â Stock-based compensationÂ Â 534Â Â Â 397Â Depreciation and amortizationÂ Â 307Â Â Â 392Â Loss on disposition of TantalineÂ Â -Â Â Â 162Â Impairment chargeÂ Â -Â Â Â 111Â Changes in assets and liabilities, net of effects of disposition of Tantaline:Â Â Â Â Â Â Â Â Accounts receivableÂ Â (3,045)Â Â 1,592Â Contract assetsÂ Â 50Â Â Â (781) InventoriesÂ Â (204)Â Â (1,616) Other current assetsÂ Â 260Â Â Â 231Â Accounts payableÂ Â 398Â Â Â (57) Accrued expensesÂ Â (29)Â Â (770) Contract liabilitiesÂ Â 190Â Â Â 659Â Net cash used in operating activitiesÂ Â (3,772)Â Â (833) Â Â Â Â Â Â Â Â Â Cash flows from investing activities:Â Â Â Â Â Â Â Â Purchases of property and equipmentÂ Â (182)Â Â (225) Net cash used in connection with disposition of TantalineÂ Â -Â Â Â (312) Net cash used in investing activitiesÂ Â (182)Â Â (537) Â Â Â Â Â Â Â Â Â Cash flows from financing activitiesÂ Â Â Â Â Â Â Â Payments of long-term debtÂ Â (40)Â Â (38) Proceeds from exercise of stock optionsÂ Â -Â Â Â 76Â Net cash (used in) provided by financing activitiesÂ Â (40)Â Â 38Â Â Â Â Â Â Â Â Â Â Net decrease in cash and cash equivalentsÂ Â (3,994)Â Â (1,332) Â Â Â Â Â Â Â Â Â Cash and cash equivalents at beginning of periodÂ Â 14,025Â Â Â 14,365Â Â Â Â Â Â Â Â Â Â Cash and cash equivalents at end of periodÂ $10,031Â Â $13,033Â Â Â Â Â Â Â Â Â Â Supplemental disclosure of cash flow information:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income taxes paidÂ $3Â Â $11Â Interest paidÂ $10Â Â $12Â Â The accompanying notes are an integral part of these condensed consolidated financial statements Â Â 6Â Â Â CVD EQUIPMENT CORPORATION AND SUBSIDIARIES Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 1: Â BASIS OF PRESENTATION Â The accompanying unaudited condensed consolidated financial statements for CVD Equipment Corporation and Subsidiaries (collectively â€œthe Companyâ€) have been prepared in accordance with accounting principles generally accepted in the United States of America for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. They do not include all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary in order to make the interim financials not misleading have been included and all such adjustments are of a normal recurring nature. The operating results for the three and six months ended June 30, 2024 are not necessarily indicative of the results that can be expected for the year ending December 31, 2024. Â The condensed consolidated balance sheet as of December 31, 2023 has been derived from the audited consolidated financial statements at such date, as filed on Form 10-K with the SEC on March 28, 2024, but does not contain all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. These unaudited condensed consolidated financial statements should be read in conjunction with that report. Â All material intercompany balances and transactions have been eliminated in consolidation. Â Reclassifications Â Certain reclassifications have been made to the prior period condensed consolidated financial statements to conform to the current period presentation. These reclassifications had no effect on net loss. Â Liquidity Â At June 30, 2024, the Company had $10.0 million in cash and cash equivalents. The Company anticipates that the existing cash and cash equivalents balance together with potential future income from operations, collections of existing accounts receivable, revenue from its existing backlog of products as of this filing date, the sale of inventory on hand, deposits and down payments against significant orders will be adequate to meet its working capital and capital equipment requirements, and its anticipated cash needs over the next 12 months from the date of issuance of these condensed consolidated financial statements Â Â 7Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Â Revenue Recognition Â In accordance with FASB ASC 606 - Revenue from Contracts with Customers (â€œASC 606â€), the Company records revenue in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services promised to its customers. Under ASC 606, the Company follows a five-step model to: (1) identify the contract with the customer; (2) identify the performance obligations in the contract; (3) determine the transaction price for the contract; (4) allocate the transaction price to the performance obligations; and (5) recognize revenue using one of the following two methods: Â Over time Â The Company designs, manufactures and sells custom chemical vapor deposition equipment through contractual agreements. These system sales require the Company to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. For systems sales that meet the criteria to recognize revenue over time, the Company recognizes revenue over time by using an input method based on costs incurred as it depicts the Companyâ€™s progress toward satisfaction of the performance obligation. For system sales that do not meet the criteria to recognize revenue over time based on the contract provisions, the Company recognizes revenue based on point in time as discussed below. Â Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work in process, and installed, as required by the projectâ€™s engineering design. Cost based input methods of revenue recognition require the Company to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known and can be reasonably estimated. There were no material impairment losses recognized on contract assets during the three and six months ended June 30, 2024 and 2023. Â The timing of revenue recognition, billings and collections results in accounts receivables, unbilled receivables or contract assets and contract liabilities on our consolidated balance sheet. Under typical payment terms for our contracts accounted for over time, amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones. Â Â 8Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Under ASC 606, payments received from customers in excess of revenue recognized to-date results in a contract liability. These contract liabilities are not considered to represent a significant financing component of the contract because we believe these cash advances and deposits are generally used to meet working capital demands which can be higher in the earlier stages of a contract. Also, advanced payments and deposits provide us with some measure of assurance that the customer will perform on its obligations under the contract. Â Contract assets include unbilled amounts typically resulting from system sales under contracts and represents revenue recognized that exceeds the amount billed to the customer. Â Contract liabilities include advance payments and billings in excess of revenue recognized. The Company typically receives down payments upon receipt of orders and progress payments as the system is manufactured. Â Contract assets and contract liabilities are classified as current as these contracts in progress are expected to be substantially completed within the next twelve months. Â Point in time Â For non-system sales of products and services, revenue is recognized at the point in time when control of the promised products or services is transferred to the Companyâ€™s customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those products or services (the transaction price). A performance obligation is a promise in a contract to transfer a distinct product or service to a customer and is the unit of account under ASC 606, â€œRevenue from Contracts with Customersâ€. Â For any system equipment sales where the equipment would have an alternative use or where the contract provisions of the contract preclude the use of over time revenue recognition, revenue is recognized at the point in time when control of the equipment is transferred to the customer. For the three and six months ended June 30, 2024 and 2023, all system equipment sales were recorded over time by using an input method except for one system equipment contract in the second quarter of 2023 where the revenue was to be recognized at the point in time when the equipment was transferred to the customer. Subsequent to June 30, 2023, this one system equipment contract was modified such that the revenue under this contract would be recognized over time using an input method based on the revised contract provisions and the fact that the equipment does not have an alternative use. Â Â 9Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Inventories Â Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Work-in-process and finished goods inventory reflect all accumulated production costs, which are comprised of direct production costs and overhead, and is reduced by amounts recorded in cost of sales as the related revenue is recognized. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our cost of sales or work-in-process and finished goods inventory. Obsolete inventory or inventory in excess of managementâ€™s estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials and other qualitative factors. Unanticipated changes in demand for the Companyâ€™s products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Â Product Warranty Â The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in â€œCost of revenueâ€ in the condensed consolidated statements of operations. The estimated warranty cost is based on the Companyâ€™s historical cost. The Company updates its warranty estimates based on actual costs incurred. Â Recent Accounting Standards Â In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendments in this update expand annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. This update is effective for our annual report for fiscal year 2025, and interim periods thereafter, with early adoption permitted, and will be applied retrospectively to all prior periods presented in the financial statements. We are currently evaluating the impact of this ASU on our Consolidated Financial Statements and related disclosures. Â In December 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvement to Income Tax Disclosures. The amendments further enhance income tax disclosures, primarily through standardization and disaggregation of rate reconciliation categories and income taxes paid by jurisdiction. This ASU is effective for our annual report for fiscal year 2026, with early adoption permitted, and should be applied either prospectively or retrospectively. We are currently evaluating the timing of adoption and impact of this ASU on our Consolidated Financial Statements and related disclosures. Â Â 10Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Â The Company believes there is no additional new accounting guidance adopted, but not yet effective, that is relevant to the readers of our financial statements. However, there are numerous new proposals under development which, if and when enacted, may have a significant impact on our financial reporting. Â NOTE 3: CONCENTRATION OF CREDIT RISK Â Cash and cash equivalents Â The Company had cash and cash equivalents of $10.0 million and $14.0 million at June 30, 2024 and December 31, 2023, respectively. The Company invests excess cash in U.S. treasury bills, certificates of deposit or deposit accounts, all with maturities of less than three months. Cash equivalents consisting of U.S. treasury bills were $9.8 million and $12.1 million at June 30, 2024 and December 31, 2023, respectively. Â The Company places most of its temporary cash investments in the United States with financial institutions, which from time to time may exceed the Federal Deposit Insurance Corporation limit. The amount at risk at June 30, 2024 and December 31, 2023 was $0.1 million and $1.5 million, respectively. Â Accounts receivable Â The Company sells products and services to various companies across several industries in the ordinary course of business. The Company performs ongoing credit evaluations to assess the probability of accounts receivable collection based on a number of factors, including past transaction experience, evaluation of their credit history and review of the invoicing terms of the contract to determine the financial strength of its customers. Â Accounts receivable are presented net of an allowance for credit losses of approximately $36,000 at both June 30, 2024 and December 31, 2023. The allowance is based on prior experience and managementâ€™s evaluation of the collectability of accounts receivable. Measurement of credit losses requires consideration of historical loss experience, including the need to adjust for changing business conditions, and judgments about the probable effects of relevant observable data, including present economic conditions such as delinquency rates and the financial health of specific customers. Future changes to the estimated allowance for credit losses could be material to our results of operations and financial condition. Â Â 11Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 3: CONCENTRATION OF CREDIT RISK (continued) Â At June 30, 2024, the accounts receivable balance included amounts from two customers that represented 35.7% and 10.5% of total accounts receivable. As of December 31, 2023, the accounts receivable balance includes amounts from three customers that represented

37.6%, 13.0% and 12.8% of total accounts receivable. Â Sales concentration Â Revenue from a single customer in any one period can exceed 10% of our total revenues. During the three months ended June 30, 2024, one customer exceeded 10% of revenues, representing 35.2% of revenues, and during the six months ended June 30, 2024, one customer exceeded 10%, representing 32.8% of revenues. Â During the three months ended June 30, 2023, four customers exceeded 10% of revenues, representing 16.1%, 15.6%, 11.0% and 10.2% of revenues, and during the six months ended June 30, 2023, two customers exceeded 10%, representing 21.0% and 15.8% of revenues. Â NOTE 4: REVENUE RECOGNITION Â The following table represents a disaggregation of revenue for the three and six months ended June 30, 2024, and 2023 (in thousands): Â SCHEDULE OF DISAGGREGATION OF REVENUE Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $12Â Â $251Â AerospaceÂ Â 2,694Â Â Â 179Â Â Â 2,873Â IndustrialÂ Â 1,542Â Â Â 300Â Â Â 1,842Â ResearchÂ Â 1,174Â Â Â 205Â Â Â 1,379Â TotalÂ $5,649Â Â $696Â Â $6,345Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $760Â Â $38Â Â $798Â AerospaceÂ Â -Â Â Â 604Â Â Â 604Â IndustrialÂ Â 1,085Â Â Â 915Â Â Â 2,000Â ResearchÂ Â 1,184Â Â Â 483Â Â Â 1,667Â TotalÂ $3,029Â Â $2,040Â Â $5,069Â Â Â 12Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 4: REVENUE RECOGNITION (continued) Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $30Â Â $269Â AerospaceÂ Â 4,496Â Â Â 494Â Â Â 4,990Â IndustrialÂ Â 2,801Â Â Â 774Â Â Â 3,575Â ResearchÂ Â 2,035Â Â Â 398Â Â Â 2,433Â TotalÂ $9,571Â Â $1,696Â Â $11,267Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $3,276Â Â $52Â Â $3,328Â AerospaceÂ Â 264Â Â Â 855Â Â Â 1,119Â IndustrialÂ Â 4,756Â Â Â 1,127Â Â Â 5,883Â ResearchÂ Â 2,456Â Â Â 978Â Â Â 3,434Â TotalÂ $10,752Â Â $3,012Â Â $13,764Â Â The energy market includes customers involved in the manufacture of silicon carbide wafers and batteries. Aerospace market includes customers that manufacture aircraft engines. Industrial end market consists of various end customers in diverse industries. Research market principally represents customers such as universities and other research institutions. Â The Company has unrecognized contract revenue of approximately $21.6 million at June 30, 2024, which it expects to substantially recognize as revenue within the next twelve months based on over time revenue recognition. Â Judgment is required to evaluate assumptions including the amount of net contract revenues and the total estimated costs to determine our progress towards contract completion and to calculate the corresponding amount of revenue to recognize. Â Changes in estimates for sales of systems may occur for a variety of reasons, including but not limited to (i) build accelerations or delays, (ii) product cost forecast changes, (iii) cost related change orders or add-ons, or (iv) changes in other information used to estimate costs. Changes in estimates may have a material effect on the Companyâ€™s condensed consolidated statements of operations. Â Â 13Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 4: REVENUE RECOGNITION (continued) Â Contract assets and liabilities Â Contract assets and contract liabilities on input method type contracts in progress are summarized as follows as of June 30, 2024 (in thousands): Â SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS Â Â Â Â Â Costs incurred on contracts in progressÂ $11,009Â Estimated earningsÂ Â 5,609Â Costs and estimated earnings on uncompleted contractsÂ Â 16,618Â Billings to dateÂ Â (19,589) Net cost in excess of billingsÂ Â (2,971) Â Â Â Â Â Deferred revenue related to non-system contractsÂ Â (573) Â Contract liability in excess of contract assets Â $(3,544) Included in accompanying condensed consolidated balance sheet as of June 30, 2024 under the following captions (in thousands):Â Â Â Â Contract assetsÂ $1,554Â Contract liabilitiesÂ $5,098Â Â Of the contract liability balances at December 31, 2023 and 2022 of $4.6 million and $4.1 million, respectively, $2.7 million and $2.6 million was recognized as revenue during the six months ended June 30, 2024 and 2023, respectively. Â NOTE 5: INVENTORIES Â SCHEDULE OF INVENTORIES Inventories consist of:Â Â Â Â Â Â Â Â June 30, 2024Â Â December 31, 2023Â Â Â Â Â Â Â Â Raw materialsÂ $2,231Â Â $2,351Â Work-in-processÂ Â 1,612Â Â Â 1,248Â Finished goodsÂ Â 815Â Â Â 855Â TotalÂ $4,658Â Â $4,454Â Â Included in our inventories (raw materials, work-in-process and finished goods) are approximately $1.8 million related to PVT 150 systems that were purchased in anticipation of future orders. In the event that such orders do not materialize, the Company would incur a charge to reduce the carrying value of such inventory to market. Such a charge may be material to the Companyâ€™s financial position and future results of operations. Â Â 14Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 6: LONG-TERM DEBT Â In September 2022, the Company entered into a loan agreement to fund the acquisition of machinery. The loan amount of $432,000, is payable in 60 equal monthly installments of $8,352 and secured by equipment. The interest rate is 6%. Â NOTE 7: EARNINGS PER SHARE Â The calculation of basic and diluted weighted average common shares outstanding for the three and six months ended June 30, 2024 and 2023 is as follows: Â SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic weighted average common shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Dilutive effect of options and unvested restricted stockÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Diluted weighted average shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Â At June 30, 2024, stock options to purchase 838,125 shares of common stock were outstanding and 416,875 were exercisable. At June 30, 2023, stock options to purchase 599,500 shares of common stock were outstanding and 297,500 were exercisable. Â For the three and six months ended June 30, 2024 and 2023, all stock options were excluded in the computation of diluted earnings per share because their effect was antidilutive. Â NOTE 8: STOCK-BASED COMPENSATION EXPENSE Â The Company recorded stock-based compensation for the three and six months ended June 30, 2024 and 2023, respectively, that were included in the following line items in our condensed consolidated statements of operations (in thousands): Â SCHEDULE OF STOCK BASED COMPENSATION EXPENSE Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Cost of revenueÂ $38Â Â $41Â Â $76Â Â $60Â Research and developmentÂ Â 47Â Â Â 45Â Â Â 94Â Â Â 65Â SellingÂ Â 27Â Â Â 31Â Â Â 54Â Â Â 42Â General and administrativeÂ Â 155Â Â Â 145Â Â Â 310Â Â Â 230Â TotalÂ $267Â Â $262Â Â $534Â Â $397Â Â Â 15Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 8: STOCK-BASED COMPENSATION EXPENSE (continued) Â Stock-based compensation expense for three months ended June 30, 2024 and 2023 included $57,423 and 40,000, respectively, and for the six month periods June 30, 2024 and 2023 included $103,736 and $80,000, respectively, related to restricted stock awards that directors are entitled to receive pursuant to the Director Compensation Plan. Under this plan each of the Companyâ€™s independent directors is entitled to an Annual Equity Retainer in the amount of $40,000, to be granted on the date of the Companyâ€™s annual meeting of shareholders. Â For the six months ended June 30, 2024, the Company granted 5,000 stock options, vesting 25% per year over four years, with a ten-year life. The Company determined the weighted average fair value of stock options granted was $3.30 and is based upon weighted average assumptions below. Â SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS Stock priceÂ $4.75Â Exercise priceÂ $4.75Â Dividend yieldÂ Â 0% Expected volatilityÂ Â 77% Risk-free interest rateÂ Â 4.12% Expected life (in years)Â Â 6.00Â Â The following table summarizes stock options awards through June 30, 2024: Â SCHEDULE OF STOCK OPTIONS AWARDS Â Â Â Â Â WeightedÂ Â Â Stock OptionÂ AverageÂ AwardsÂ Â ExerciseÂ Â Â (in shares)Â Â PriceÂ Â Â Â Â Â Outstanding at January 1, 2024Â Â 846,875Â Â Â 8.20Â GrantedÂ Â 5,000Â Â Â 4.75Â ForfeitedÂ Â (13,750)Â Â 7.94Â Outstanding at June 30, 2024Â Â 838,125Â Â $8.18Â Â The following table summarizes information about the outstanding and exercisable options at June 30, 2024 by ranges of exercise prices: Â SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES Â Â Options OutstandingÂ Options ExercisableÂ Â Â Â Â WeightedÂ Â WeightedÂ Â Â Â Â Â Â Â WeightedÂ Â Â Â ExerciseÂ Â Â Â AverageÂ Â AverageÂ Â Â Â Â Â Â Â AverageÂ Â Â Â PriceÂ NumberÂ Â RemainingÂ Â ExerciseÂ Â IntrinsicÂ Â NumberÂ Â ExerciseÂ Â IntrinsicÂ RangeÂ OutstandingÂ Â ContractualÂ Â PriceÂ Â ValueÂ Â ExercisableÂ Â PriceÂ Â ValueÂ $4.00-7.00Â Â 459,625Â Â Â 7.4Â Â $4.55Â Â $Â Â Â Â -Â Â Â 217,250Â Â $4.45Â Â $Â Â Â Â -Â $7.01-10.00Â Â 20,000Â Â Â 3.8Â Â $8.07Â Â $-Â Â Â 20,000Â Â $8.07Â Â $-Â $10.01-13.00Â Â 130,000Â Â Â 3.2Â Â $10.62Â Â $-Â Â Â 122,500Â Â $10.55Â Â $-Â $13.01-16.00Â Â 228,500Â Â Â 8.7Â Â $14.11Â Â $-Â Â Â 57,125Â Â $14.11Â Â $-Â Â Â 16Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 8: STOCK-BASED COMPENSATION EXPENSE (continued) Â As of June 30, 2024, there was $2.0 million of unrecognized compensation costs related to stock options expected to be recognized over a weighted average period of 1.8 years. Â NOTE 9: INCOME TAXES Â As of June 30, 2024 and December 31, 2023, the Company has provided a full valuation allowance against its net deferred tax assets. This was based on managementâ€™s assessment, including the last four years of operating losses, that it is more likely than not that the net deferred tax assets may not be realized in the future. Management continues to evaluate for potential utilization of the Companyâ€™s net deferred tax asset, which has been fully reserved for, on a quarterly basis, reviewing our economic models, including projections of future operating results. Â NOTE 10: SEGMENT REPORTING Â The Company operates through three segments: CVD Equipment, Stainless Design Concepts (â€œSDCâ€) and CVD Materials. The CVD Equipment segment manufactures and sells chemical vapor deposition, physical vapor transport and similar equipment. The SDC segment designs and manufactures ultra-high purity gas and chemical delivery control systems. The CVD Materials segment provides material coatings for aerospace, medical, electronic and other applications and is not considered a core business of the Company. The Company evaluates performance based on several factors, of which the primary financial measure is income (loss) before taxes. Â The Companyâ€™s corporate administration activities are reported in the â€œCorporateâ€ column. These activities primarily include expenses related to certain corporate officers and support staff, expenses related to the Companyâ€™s Board of Directors, stock option expense for options and shares of restricted stock granted to corporate administration employees and board members, certain consulting expenses, investor and shareholder relations activities, and all of the Companyâ€™s legal, auditing and professional fees. Â Elimination entries included in the â€œEliminationsâ€ column represent intersegment revenues and cost of revenues that are eliminated in consolidation. Intersegment sales by the SDC segment to the CVD Equipment segment for the three months ended June 30, 2024 and 2023 were $132,000 and $138,000, respectively and $147,000 and $266,000 for the six months ended June 30, 2024 and 2023, respectively. There were no intersegment sales by the CVD Equipment segment to the SDC segment during the three and six months ended June 30, 2024. Intersegment sales by the CVD Equipment segment to the SDC segment for the three months and six months ended June 30, 2023 were $64,000. Â Â 17Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 10: SEGMENT REPORTING (continued) Â The following table presents certain information regarding the Companyâ€™s segments as of and for the three months ended June 30, 2024 and 2023 (in thousands): Â SCHEDULE OF SEGMENTS 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $29,368Â Â $4,310Â Â $222Â Â $(55)Â $-Â Â $33,845Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $4,107Â Â $2,315Â Â $55Â Â $(132)Â $-Â Â $6,345Â Operating (loss) incomeÂ Â (729)Â Â 714Â Â Â (45)Â Â (8)Â Â (830)Â Â (898) Pretax (loss) incomeÂ Â (743)Â Â 714Â Â Â (45)Â Â (8)Â Â (679)Â Â (761) Depreciation and amortizationÂ $141Â Â $13Â Â $-Â Â $-Â Â $-Â Â $154Â Purchase of property, plant & equipmentÂ $101Â Â $4Â Â $-Â Â $-Â Â $-Â Â $105Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $32,139Â Â $4,189Â Â $483Â Â $(28)Â $-Â Â $36,783Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $3,134Â Â $1,795Â Â $342Â Â $(202)Â $-Â Â $5,069Â Operating (loss) incomeÂ Â (445)Â Â 363Â Â Â *(224)Â Â (28)Â Â (898)Â Â (1,232) Pretax (loss) incomeÂ Â (445)Â Â 364Â Â Â *(203)Â Â (28)Â Â (791)Â Â (1,103) Depreciation and amortizationÂ $136Â Â $12Â Â $79Â Â $-Â Â $-Â Â $227Â Purchase of property, plant & equipmentÂ $78Â Â $-Â Â $-Â Â $-Â Â $-Â Â $78Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. Â Â 18Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 10: SEGMENT REPORTING (continued) Â The following table presents certain information regarding the Companyâ€™s segments as of and for the six months ended June 30, 2024 and 2023 (in thousands): Â 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ EliminationsÂ Â CorporateÂ Â ConsolidatedÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $7,054Â Â $4,246Â Â $114Â Â $(147)Â $-Â Â $11,267Â Operating (loss) incomeÂ Â (2,173)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,638)Â Â (2,526) Pretax (loss) IncomeÂ Â (2,188)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,330)Â Â (2,233) Depreciation and amortizationÂ $283Â Â $24Â Â $-Â Â $-Â Â $-Â Â $307Â Purchase of property, plant & equipmentÂ $178Â Â $4Â Â $-Â Â $-Â Â $-Â Â $182Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ EliminationsÂ CorporateÂ ConsolidatedÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $8,979Â Â $4,107Â Â $1,009Â Â $(331)Â $-Â Â $13,764Â Operating (loss) incomeÂ Â (267)Â Â 994Â Â Â (143)*Â Â (28)Â Â (1,976)Â Â (1,420) Pretax (loss) IncomeÂ Â (265)Â Â 996Â Â Â (95)*Â Â (28)Â Â (1750)Â Â (1,142) Depreciation and amortizationÂ $267Â Â $24Â Â $101Â Â $-Â Â $-Â Â $392Â Purchase of property, plant & equipmentÂ $215Â Â $10Â Â $-Â Â $-Â Â $-Â Â $225Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. Â NOTE 11: MESOSCRIBE SUBSIDIARY Â On August 8, 2023, the Company entered into a Purchase and License Agreement (the â€œAgreementâ€) with a third-party. Pursuant to the Agreement, the Company will sell certain proprietary assets relating to its plasma spray technology and material deposition system and grant a non-exclusive license to use certain of the Companyâ€™s related intellectual property as more fully described in the Agreement, for an aggregate purchase price of $0.9 million. The purchase price is payable in several installments and contingent upon certain performance metrics and other milestones. Â The Company will continue to fulfill remaining orders for MesoScribe products through the end of 2024 at which time it plans to cease the remaining operations of MesoScribe and dispose of any remaining equipment. During the three and six months ended June 30, 2023, the Company recorded an impairment charge of $0.1 million for certain equipment of MesoScribe based on its decision to cease the remaining operations by the end of 2024. Â The Company received payments under the Agreement in the amount of $0.6Â million which has been reflected as â€œdeposit from purchaserâ€ in the accompanying consolidated balance sheet as of March 31, 2024 and December 31, 2023. The Company expects the transaction to be completed in 2024 with the acceptance of the equipment by the purchaser. Â The revenue and net loss were $55,000 and ($45,000), respectively, for the three months ended June 30, 2024 and $0.1 million and ($0.1) million, respectively, for the six months ended June 30, 2024. Â The total assets and total liabilities of the MesoScribe subsidiary were $0.2 million and $0.7 million, respectively, as of both June 30, 2024 and December 31, 2023. Â Â 19Â Â Â Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations. Â Except for historical information contained herein, this â€œManagementâ€™s Discussion and Analysis of Financial Condition and Results of Operationsâ€ contains forwardâ€“looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Readers are cautioned not to place undue reliance on forward-looking statements, as there can be no assurance that the plans, intentions or expectations upon which they are based will occur. These statements involve known and unknown risks and uncertainties that may cause our actual results or outcomes to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. These forward-looking statements are based on various factors and are derived utilizing numerous important assumptions and other important factors that could cause actual results to differ materially from those in the forward-looking statements. Important assumptions and other factors that could cause actual results to differ materially from those in the forward-looking statements, include, but are not limited to: Â Â â— uncertainty as to our future profitability; Â Â Â Â â— competition in our existing and potential future product lines of business, including our PVT150 / PVT200 systems; Â Â Â Â â— uncertainty as to our ability to develop new products for the high power electronics market including our plan to develop a PVT200 to grow silicon carbide crystals for 200 mm wafers; Â Â Â Â â— our ability to obtain financing on acceptable terms if and when needed; Â Â Â Â â— our ability to attract and retain key personnel and employees; and Â Â Â Â â— uncertainty as to our ability to adequately obtain raw materials and on commercially reasonable terms. Â Other factors and assumptions not identified above were also involved in the derivation of these forward-looking statements and the failure of such assumptions to be realized as well as other factors may also cause actual results to differ materially from those projected. We assume no obligation to update these forward-looking statements to reflect actual results, changes in assumptions, or changes in other factors affecting such forward-looking statements. Past performance is no guaranty of future results. Â You should not place undue reliance on any forward-looking statements, which speak only as of the dates they are made. When used with this Report, the words â€œbelievesâ€ â€œanticipatesâ€, â€œexpectsâ€, â€œestimatesâ€, â€œplansâ€, â€œintendsâ€, â€œwillâ€ and similar expressions are intended to identify forward-looking statements. Â Â 20Â Â Â Executive Summary Â We have served the advanced materials markets with chemical vapor and thermal process equipment for over 40 years. CVD designs, develops, and manufactures a broad range of chemical vapor deposition, gas control, and other state-of-the-art equipment and process solutions used to develop and manufacture materials and coatings for industrial applications and research. To learn more about CVDâ€™s systems and offerings, visit www.cvdequipment.com. Â During the three and six months ended June 30, 2024 and 2023: Â â—Revenue increased by $1.3 million or 25.2% for the second quarter as compared to the prior year period due to increases in revenues from aerospace contracts in progress and our SDC segment offset in part by lower revenues for PVT150 systems and spare parts. Â Â Â â—Gross margin increased by $0.2 million or 15.9% in the second quarter as compared to the prior period quarter due to higher revenues that was offset by lower gross profit margins on contracts in progress. Â Â Â â—Total bookings for the second quarter of 2024 were approximately $3.2 million as compared to $13.0 million in the prior year period. Â Â Â â—Total bookings for the first half of 2024 were $16.9 million as compared to $15.8 million in the first half of 2023. Â Â Â â—Bookings in 2024 included a $10.0 million multisystem order from an industrial customer that will be used to deposit a silicon carbide protective coating on OEM components. Â Â Â â—Bookings in 2023 included $8.7 million of multiple systems orders from an aerospace customer and a battery nanomaterial production system of $1.8 million. Â Â Â â—During the first quarter of 2024, we received an order from an additional customer for our new PVT200 system that will be used to grow silicon carbide crystals for the manufacture of 200 mm wafers. Â Â Â â—Increased our backlog from $18.4 million at December 31, 2023 to $24.0 million at June 30, 2024. Â Â Â â—Cash balance at June 30, 2024 was $10.0 million as compared to $14.0 million at December 31, 2023 Â Business Update Â Our core strategy is to focus on growth market applications in end markets related to the â€œelectrification of everything,â€ aerospace and industrial applications. The phrase â€œelectrification of everythingâ€ refers to the shift from fossil fuels to the use of electricity to power devices, buildings, electric vehicles (â€œEVsâ€), and many other applications. With respect to aerospace, our systems are being used by our customers to produce ceramic matrix composite materials (â€œCMCsâ€) that will be used in next generation gas turbine jet engines with the objective of reducing jet fuel consumption and contributing to the decarbonization of that industry. Â Â 21Â Â Â Our current strategy yielded multisystem orders of PVT150 equipment in 2023 and 2022 that was delivered to one company that manufactures silicon carbide wafers. Although we continue to invest in our vision for the â€œelectrification of everything,â€ we have observed lower-than-anticipated industrywide electric vehicle adoption rates which may reduce demand for silicon carbide and impact sales of our PVT systems. Â In February 2024, we received an order from an additional customer for our new PVT200 system used to grow silicon carbide crystals for the manufacture of 200 mm wafers. This represents our second customer for our PVT equipment. This customer plans to evaluate our equipment for potential additional purchases of PVT equipment. We have also received orders from OneD Battery Materials in 2023, a company that is engaged in providing battery nanomaterials. Â Both technologies are essential for the support of the EV market. These systems should provide us with standard product offering to continue to support the EV focused market as well as energy storage, power conversion and power transmission. We plan to expand our product offerings in the power electronics market to build off the introduction of the PVT150 and PVT200 systems. We are also evaluating our ability to provide other equipment used in the manufacturing process of silicon carbide wafers. Â During 2022, we also received an order from an aerospace company for a production chemical vapor infiltration (CVI) system that will be used to manufacture CMCs for gas turbine jet engines. In 2023, we received an order from the same aerospace company for an additional three CVI systems. Â In February 2024, we received a multisystem order from an industrial customer for approximately $10 million that will be used for depositing a silicon carbide protective coating on OEM components. Â We have generally gained new customers through our industry reputation, as well as limited print advertising and trade show attendance. We have increased the number of trade shows and industry conferences. In addition, we added to our sales and marketing team in 2022 and expanded our sales team in early 2023. Â Historically, our orders have fluctuated based on end user market conditions, adoption of our new products and acceptance of our products. The order rate as well as other factors in our manufacturing process ultimately impacts the timing of revenue recognition, whether accounted for over time or at a point in time. Accordingly, orders received from customers and the corresponding revenue recognized may fluctuate from quarter to quarter. The sales cycle for our equipment is typically six months, but can range up to twelve to eighteen months, depending on the application and product stage of the equipment. The order cycle to manufacture and test a system also will vary from six to eighteen months for our CVD Equipment segment and two to twelve months for our SDC segment, depending on system complexity and magnitude of the system. Â Â 22Â Â Â Results of Operations Â Three Months Ended June 30, 2024 and 2023 Â The following table presents revenue and expense line items reported in our condensed consolidated statements of operations for the three months ended June 30, 2024 and 2023 and the period-over-period dollar and percentage changes for those line items (in thousands, except percentages). Â Â Â Three months ended June 30Â Â Â Â Â Â 2024Â Â 2023Â Â ChangeÂ Â PercentÂ RevenueÂ $6,345Â Â $5,069Â Â $1,276Â Â Â 25.2% Cost of revenueÂ Â 4,736Â Â Â 3,681Â Â Â 1,055Â Â Â 28.7% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Gross profitÂ Â 1,609Â Â Â 1,388Â Â Â 221Â Â Â 15.9% Gross profit percentageÂ Â 25.4%Â Â 27.4%Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating expenses:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Research and developmentÂ Â 665Â Â Â 559Â Â Â 106Â Â Â 18.9% SellingÂ Â 426Â Â Â 428Â Â Â (2)Â Â 0.5% General and administrativeÂ Â 1,416Â Â Â 1,360Â Â Â 56Â Â Â 4.1% Loss on disposition of TantalineÂ Â -Â Â Â 162Â Â Â (162)Â Â *Â Impairment chargeÂ Â -Â Â Â 111Â Â Â (111)Â Â *Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Total operating expensesÂ Â 2,507Â Â Â 2,620Â Â Â (113)Â Â (4.3%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating lossÂ Â (898)Â Â (1,232)Â Â 334Â Â Â 27.1% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense):Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest incomeÂ Â 145Â Â Â 107Â Â Â 38Â Â Â 35.5% Interest expenseÂ Â (4)Â Â (6)Â Â 2Â Â Â Â *Â Foreign exchange incomeÂ Â -Â Â Â 15Â Â Â (15)Â Â Â *Â Other income (expense)Â Â (4)Â Â 13Â Â Â (17)Â Â Â *Â Total other income, netÂ Â 137Â Â Â 129Â Â Â 8Â Â Â 6.2% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss before income taxesÂ Â (761)Â Â (1,103)Â Â 342Â Â Â 31.0% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income tax expenseÂ Â -Â Â Â 10Â Â Â 10Â Â Â Â *Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net lossÂ $(761)Â $(1,113)Â $352Â Â Â 31.6% Revenue (net of intersegment sales)Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â CVD EquipmentÂ $4,107Â Â $3,134Â Â $973Â Â Â 31.0% SDCÂ Â 2,315Â Â Â 1,795Â Â Â 520Â Â Â 29.0% CVD MaterialsÂ Â 55Â Â Â 342Â Â Â (287)Â Â (83.9%) Intersegment sales eliminationÂ Â (132)Â Â (202)Â Â 70Â Â Â 34.7% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â TotalÂ $6,345Â Â $5,069Â Â $1,276Â Â Â 25.2% Â * Not meaningful Â Â 23Â Â Â Revenue Â Our revenue for the three months ended June 30, 2024 was $6.3 million compared to $5.1 million for the three months ended June 30, 2023, an increase of 25.2%. Â The increase in revenue versus the prior year period was primarily attributable to higher revenue of $1.0 million from our CVD Equipment segment, a $0.5 million increase in revenue from our SDC segment, offset by a $0.3 million decrease from our CVD Materials segment. Revenue from one aerospace customer for the three months ended June 30, 2024 represented 35.2% of our total revenues and 54.3% of CVD Equipment segment revenues. Â The revenue contributed by the CVD Equipment segment for the three months ended June 30, 2024 of $4.1 million represented 64.8% of overall revenue as compared to $3.1 million or 61.8% of overall revenue for the three months ended June 30, 2023. The increase in revenues of $1.0 million or 31.0%% resulted principally due to increases in revenues from aerospace contracts in progress offset in part by lower revenue for PVT150 systems and spare parts. Â The revenue contributed by the SDC segment for the three months ended June 30, 2024 of $2.3 million represented 36.5% of overall revenue as compared to $1.8 million or 35.4% of overall revenue for the three months ended June 30, 2023. Revenue for our SDC segment increased by $0.5 million or 30.0% due to higher demand for SDCâ€™s gas and chemical delivery system products as compared to the prior period. Â The revenue contributed by the CVD Materials segment for the three months ended June 30, 2024 of $55,000 represented 0.9% of our overall revenue as compared to $0.3 million or 6.7% of overall revenue for the three months ended June 30, 2023. The decrease of $0.3 million or 83.9% was principally due to the disposition of Tantaline in May 2023 and the wind down of MesoScribeâ€™s operations. Â Our order backlog at June 30, 2024 was approximately $24.0 million as compared to December 31, 2023 of $18.4 million. Our backlog at June 30, 2024 consists of approximately $21.6 million related to remaining performance obligations of contracts in progress and not yet started that will be recognized over time with the balance of approximately $2.4 million representing other orders received from customers. Historically, our revenues and orders have fluctuated based on changes in order rate as well as other factors in our manufacturing process that impact the timing of revenue recognition. Accordingly, orders received from customers and revenue recognized may fluctuate from quarter to quarter. Â Â 24Â Â Â Gross Profit Â Gross profit for the three months ended June 30, 2024 was $1.6 million, with a gross profit margin of 25.4%, compared to a gross profit of $1.4 million and a gross profit margin of 27.4% for the three months ended June 30, 2023. The increase in gross profit of $0.2 million was primarily due to higher revenues that was offset by a contract mix with lower gross margins as compared to the prior period. Â Research and Development Â For the three months ended June 30, 2024, research and development expenses were $0.7 million, or 10.5% of revenue as compared to $0.6 million, or 11.0% for the three months ended June 30, 2023, an increase of $0.1 million or 18.9%. The increase in 2024 was due principally to a reduction of bonus accruals in the prior period quarter and a recruitment fee for a new engineer in the current quarter. Â General engineering support and expenses related to the development of more standardized products and value-added development of existing products are reflected as part of research and development expense. General engineering support and expenses are charged to costs of goods sold when work is performed directly on a customer order. Â Selling Â Selling expenses were $0.4 million or 6.7% of the revenue for the three months ended June 30, 2024 as compared to $0.4 million or 8.4% for the three months ended June 30, 2023. There were no significant changes in selling expenses as compared to the prior period quarter. Â General and Administrative Â General and administrative expenses for the three months ended June 30, 2024 were $1.4 million or 22.3% of revenue compared to $1.4 million or 26.8% of revenue for the three months ended June 30, 2023, an increase of $56,000 or 5.7%. The increase in 2024 was due principally to a reduction of bonus accruals in the prior period quarter offset by increases in consulting and recruitment fees in the current quarter. Â During the three months ended June 30, 2023, the Company revised its estimated bonus accrual. This resulted in an adjustment of $0.2 million to reverse a portion of the 2024 bonus that was accrued as of March 31, 2023. The impact of this reversal on general administrative expense was a reduction of $0.1 million. The impact of this reversal also resulted in reductions of expenses for cost of revenue of $41,000, research and development of $56,000 and selling expenses of $24,000 during the three months ended June 30, 2023. Â Loss on Disposition of Tantaline Â This item represents the net loss on the sale of our Tantaline subsidiary including professional fees in the three months ended June 30, 2023. Â Impairment Charge Â This item represents the loss on the impairment of certain assets of MesoScribe based on the decision at June 30, 2023 to dispose of the subsidiary. Â Other Income (Expense), Net Â Other income (expense), net was $0.1 million for both the three months ended June 30, 2024 and 2023. Other income is principally interest income on treasury bills. Â Income Taxes Â We continue to evaluate the potential utilization of our deferred tax asset, which has been fully reserved for, on a quarterly basis, by reviewing our economic models, including projections of future operating results. Â Â 25Â Â Â Six Months Ended June 30, 2024 versus June 30, 2023 Â The following table presents revenue and expense line items reported in our condensed consolidated statements of operations for the six months ended June 30, 2024 and 2023 and the period-over-period dollar and percentage changes for those line items (in thousands, except percentages). Â Â Â Six months ended June 30Â Â Â Â Â Â Â Â Â 2024Â Â 2023Â Â ChangeÂ Â PercentÂ RevenueÂ $11,267Â Â $13,764Â Â $(2,497)Â Â (18.1%) Cost of revenueÂ Â 8,799Â Â Â 9,943Â Â Â (1,144)Â Â (11.5%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Gross profitÂ Â 2,468Â Â Â 3,821Â Â Â (1,353)Â Â (35.4%) Gross profit percentageÂ Â 21.9%Â Â 27.8%Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating expenses:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Research and developmentÂ Â 1,410Â Â Â 1,161Â Â Â 249Â Â Â 21.4% SellingÂ Â 845Â Â Â 847Â Â Â (2)Â Â (0.2%) General and administrativeÂ Â 2,739Â Â Â 2,960Â Â Â (221)Â Â (7.5%) Loss on disposition of TantalineÂ Â -Â Â Â 162Â Â Â (162)Â Â *Â Impairment chargeÂ Â -Â Â Â 111Â Â Â (111)Â Â *Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Total operating expensesÂ Â 4,994Â Â Â 5,241Â Â Â (247)Â Â (4.7%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Operating lossÂ Â (2,526)Â Â (1,420)Â Â (1,106)Â Â (77.9%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense):Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest incomeÂ Â 302Â Â Â 227Â Â Â 75Â Â Â 33.0% Interest expenseÂ Â (10)Â Â (12)Â Â 2Â Â Â Â *Â Foreign exchange incomeÂ Â -Â Â Â 43Â Â Â (43)Â Â Â *Â Other incomeÂ Â 1Â Â Â 20Â Â Â (19)Â Â Â *Â Total other income, netÂ Â 293Â Â Â 278Â Â Â 15Â Â Â 5.4% Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Loss before income taxesÂ Â (2,223)Â Â (1,142)Â Â (1,091)Â Â (95.1%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Income tax expenseÂ Â -Â Â Â 11Â Â Â (11)Â Â Â *Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net lossÂ $(2,223)Â $(1,153)Â $(1,080)Â Â (93.2) Revenue (net of intersegment sales)Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â CVD EquipmentÂ $7,054Â Â $8,979Â Â $(1,925)Â Â (21.4%) SDCÂ Â 4,246Â Â Â 4,107Â Â Â 139Â Â Â 3.4% CVD MaterialsÂ Â 114Â Â Â 1,009Â Â Â (895)Â Â (88.7%) Intersegment sales eliminationÂ Â (147)Â Â (331)Â Â 184Â Â Â (55.6%) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â TotalÂ $11,267Â Â $13,764Â Â $(2,497)Â Â (18.1%) Â * Not meaningful Â Â 26Â Â Â Revenue Â Our revenue for the six months ended June 30, 2024 was $11.3 million compared to $13.8 million for the six months ended June 30, 2023, a decrease of 18.1%. Â The decrease in revenue versus the prior year period was primarily attributable to lower revenues of $1.9 million from our CVD Equipment segment and $0.9 million from our CVD Materials segment, offset by a $0.1 million increase in revenue from our SDC segment, Â Revenue from one aerospace customer for the six months ended June 30, 2024 represented 32.8% of our total revenues and 52.3% of CVD Equipment segment revenues. Â The revenue contributed by the CVD Equipment segment for the six months ended June 30, 2024 of $7.1 million represented 62.6% of overall revenue as compared to $9.0 million or 65.2% of overall revenue for the six months ended June 30, 2023. The decrease in revenues of $1.9 million or 21.4%% resulted principally due to lower PVT150 systems and revenue from spares and parts offset by increases in revenues from aerospace contracts in progress. Â The revenue contributed by the SDC segment for the six months ended June 30, 2024 of $4.2 million represented 37.7% of overall revenue as compared to $4.1 million or 29.8% of overall revenue for the six months ended June 30, 2023. Revenue for our SDC segment increased by $0.1 million or 3.4% due to slightly higher demand for SDCâ€™s gas and chemical delivery system products as compared to the prior period. Â The revenue contributed by the CVD Materials segment for the six months ended June 30, 2024 of $0.1 million represented 1.0% of our overall revenue as compared to $1.0 million or 7.3% of overall revenue for the six months ended June 30, 2023. The decrease of $0.9 million was principally due to the disposition of Tantaline in May 2023 and the wind down of MesoScribeâ€™s operations. Â Â 27Â Â Â Gross Profit Â Gross profit for the six months ended June 30, 2024 was $2.5 million, with a gross profit margin of 21.9%, compared to a gross profit of $3.8 million and a gross profit margin of 27.8% for the six months ended June 30, 2023. The decrease in gross profit of $1.4 million was primarily the result of lower revenue and a contract mix with lower gross margins as compared to the prior period. Â Research and Development Â For the six months ended June 30, 2024, research and development expenses were $1.4 million, or 12.5% of revenue as compared to $1.2 million, or 8.4% for the six months ended June 30, 2023, an increase of $0.2 million or 21.4%. The increase in 2024 was the result of lower costs allocated to cost of revenue and a recruitment fee for a new engineer in the current year period. Â General engineering support and expenses related to the development of more standardized products and value-added development of existing products are reflected as part of research and development expense. General engineering support and expenses are charged to costs of goods sold when work is performed directly on a customer order. Â Selling Â Selling expenses were $0.8 million or 7.5% of the revenue for the six months ended June 30, 2024 as compared to $0.8 million or 6.2% for the six months ended June 30, 2023. There were no significant changes in selling expenses as compared to the prior period. Â General and Administrative Â General and administrative expenses for the six months ended June 30, 2024 were $2.7 million or 24.3% of revenue compared to $3.0 million or 21.5% of revenue for the six months ended June 30, 2023, a decrease of $0.2 million. The decrease in expenses was principally due to lower salaries of $0.1 million due to sale of Tantaline, lower bonuses and commissions of $0.1 million and lower professional fees of $0.1 million, offset by higher stock-based compensation expense of $0.1 million. Â Loss on disposition of Tantaline Â This item represents the net loss on the sale of our Tantaline subsidiary including professional fees. Â Impairment Charge Â This item represents the loss on the impairment of certain assets of MesoScribe based on the decision to dispose of the subsidiary. Â Â 28Â Â Â Other Income (Expense), Net Â Other income (expense), net was $0.3 million for both six month periods ended June 30, 2024 and 2023. Other income is principally interest income on treasury bills. Â Income Taxes Â We continue to evaluate the potential utilization of our deferred tax asset, which has been fully reserved for, on a quarterly basis, by reviewing our economic models, including projections of future operating results. Â Liquidity and Capital Resources Â As of June 30, 2024, aggregate working capital was $12.7 million as compared to aggregate working capital of $14.3 million at December 31, 2023. Cash and cash equivalents at June 30, 2024 and December 31, 2023 were $10.0 million and $14.0 million, respectively. Â Net cash used in operating activities for the six months ended June 30, 2024 was $3.8 million. This decrease was principally due to the net loss of $2.2 million, an increase in accounts receivable of $3.0 million, offset by an increase in accounts payable of $0.4 million and non-cash items of $0.8 million. Â Net cash used in investing activities for the three months ended June 30, 2024 consisted of capital expenditures of $0.2 million related to purchases of equipment, building improvements and software. Â Net cash used in financing activities for the three months ended June 30, 2024 consisted of repayments of $40,000 for an equipment loan. Â We believe that our cash and cash equivalent positions and our projected cash flow from operations will be sufficient to meet our working capital and capital expenditure requirements for the next twelve months from the filing of this Form 10-Q. We will continue to assess our operations and take actions anticipated to maintain our operating cash to support the working capital needs. Â Critical Accounting Estimates Â This discussion and analysis of the Companyâ€™s financial condition and results of operations is based on the Companyâ€™s consolidated financial statements, which have been prepared in accordance with generally accepted accounting principles in the United States of America, or U.S. GAAP. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reported periods. In accordance with U.S. GAAP, the Company bases its estimates on historical experience and on various other assumptions the Company believes are reasonable under the circumstances. Actual results may differ from these estimates under different assumptions or conditions. Â Â 29Â Â Â We consider an accounting estimate to be critical if: (1) the accounting estimate requires us to make assumptions about matters that were highly uncertain at the time the accounting estimate was made, and (2) changes in the estimate that are reasonably likely to occur from period to period, or use of different estimates that we reasonably could have used in the current period, would have a material impact on our financial condition or results of operations. Â We believe that of our significant accounting policies, which are described in the notes to the consolidated financial statements, the following accounting policies involve a greater degree of judgments, estimates and assumptions and are considered critical accounting estimates. Â Revenue Recognition Â We design, manufacture, and sell custom chemical vapor deposition equipment through contractual agreements. These system sales require us to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. We recognize revenue over time by using an input method based on costs incurred as it depicts our progress toward satisfaction of the performance obligation. Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Â Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as indirect labor, supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work-in-process as required by the projectâ€™s engineering design. Cost based input methods of revenue recognition require us to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor, and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, we recognize the entire estimated loss in the period the loss becomes known and can be reasonably estimated. Â There exist many inherent risks and uncertainties in estimating revenues, expenses and progress toward completion, particularly on larger or longer-term contracts. Changes in estimates of the total sales, related costs, and progress toward completion on such contracts may significantly impact the estimated gross margins, or losses may need to be recognized in future periods. Any such resulting changes in margins or contract losses could be material to our results of operations and financial condition. Â Â 30Â Â Â Inventory Valuation Â Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Obsolete inventory or inventory in excess of managementâ€™s estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials, and other qualitative factors. Unanticipated changes in demand for the Companyâ€™s products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Any such charge could be material to our results of operations and financial condition. Â Long-Lived Assets Â Long-lived assets consist primarily of property, plant and equipment. Long-lived assets are reviewed for impairment whenever events or circumstances indicate their carrying value may not be recoverable. When such events or circumstances arise, an estimate of the future undiscounted cash flows produced by the asset, or the appropriate grouping of assets, is compared to the assetâ€™s carrying value to determine if impairment exists pursuant to the requirements of ASC 360-10-35, â€œImpairment or Disposal of Long-Lived Assets.â€ If the asset is determined to be impaired, the impairment loss is measured on the excess of it carrying value over its fair value. Assets to be disposed of are reported at the lower of their carrying value or net realizable value. In the future, if we determine that our long-lived assets are impaired, we would be required to recognize a charge in our financial statements at the time of such determination. Any such charge could be material to our results of operations and financial condition. Â Item 3. Quantitative and Qualitative Disclosures About Market Risk Â Not applicable. Â Item 4. Controls and Procedures. Â Evaluation of Disclosure Controls and Procedures Â We maintain a system of disclosure controls and procedures (as defined in Rule 13a-15(e) and 13d-15(e) under the Exchange Act of 1934, as amended, (the â€œExchange Actâ€)). As required by Rule 13a-15(b) under the Exchange Act, our management, under the direction of our Chief Executive Officer and Chief Financial Officer, reviewed and performed an evaluation of the effectiveness of design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Exchange Act) as of the end of the period covered by this Quarterly Report on Form 10-Q (the â€œReportâ€). Â Based on that review and evaluation, our Chief Executive Officer and Chief Financial Officer, along with others in our management, have determined that as of the end of the period covered by this Report on Form 10-Q the disclosure controls and procedures were effective to provide reasonable assurance that such information is accumulated and communicated to our management, including our principal executive and financial officers, as appropriate to allow timely decisions regarding disclosures. Â Changes in Internal Controls Â There were no changes in our internal controls over financial reporting as defined in Rule 13a-15(f) or Rule 15d-15(f) under the Exchange Act that occurred during the most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, the internal controls over financial reporting. Â Limitations on the Effectiveness of Controls Â We believe that a control system, no matter how well designed and operated, cannot provide absolute assurance that the objectives of the control systems are met, and no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, within a company have been detected. Â Â 31Â Â Â CVD EQUIPMENT CORPORATION Â PART II Â OTHER INFORMATION Â Item 1. Legal Proceedings. Â None. Â Item 1A. Risk Factors. Â There have been no other material changes to the risk factors disclosed in our Annual Report on Form 10-K as filed with the Securities and Exchange Commission on March 28, 2024. Â Item 2. Unregistered Sales of Equity Securities and Use of Proceeds. Â None. Â Item 3. Defaults Upon Senior Securities. Â None. Â Item 4. Mine Safety Disclosures. Â Not applicable. Â Item 5. Other Information. Â None. Â Item 6. Exhibits Â Â 31.1* Certification of Emmanuel Lakios, Chief Executive Officer, dated August 13, 2024 Â Â 31.2* Certification of Richard Catalano, Chief Financial Officer, dated August 13, 2024 Â Â 32.1* Certification of Emmanuel Lakios, Chief Executive Officer, dated August 13, 2024, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Â Â 32.2* Certification of Richard Catalano, Chief Financial Officer, dated August 13, 2024, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Â Â 101.1** Inline XBRL Instance. Â Â 101.SCH** Inline XBRL Taxonomy Extension Schema. Â Â 101.CAL** Inline XBRL Taxonomy Extension Calculation. Â Â 101.DEF** Inline XBRL Taxonomy Extension Definition. Â Â 101.LAB** Inline XBRL Taxonomy Extension Labels. Â Â 101.PRE** Inline XBRL Taxonomy Extension Presentation. Â Â 104 Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101). Â Â * Filed herewith. Â ** Pursuant to Rule 406T of Regulation S-T, these interactive data files are deemed not to be filed or part of a registration statement of prospectus for purposes of Section 11 or 12 of the Securities Act of 1933, as amended, are deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and otherwise are not subject to liability under these sections. Â Â 32Â Â Â SIGNATURES Â Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, this 13th day of August 2024. Â Â CVD EQUIPMENT CORPORATION Â Â Â Â By: /s/ Emmanuel Lakios Â Â Emmanuel Lakios Â Â President and Chief Executive Officer Â Â (Principal Executive Officer) Â Â Â By: /s/ Richard Catalano Â Â Richard Catalano Â Â Executive Vice President and Â Â Chief Financial Officer Â Â (Principal Financial and Accounting Officer) Â Â 33Â Â EX-31.1 2 ex31-1.htm Â Exhibit 31.1 Â Certifications of Principal Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 Â I, Emmanuel Lakios, certify that: Â Â 1.I have reviewed this quarterly report on Form 10-Q of CVD Equipment Corporation; Â Â Â Â 2.Based upon 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 upon 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 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 controls over financial reporting, or caused such internal controls 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 5.The registrantâ€™s other certifying officer 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 registrantsâ€™ board of directors (or persons performing the equivalent functions): 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 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 Dated: August 13, 2024 Â Â Â /s/ Emmanuel Lakios Â President and Chief Executive Officer Â Â Â Â EX-31.2 3 ex31-2.htm Â Exhibit 31.2 Certifications of Principal Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 Â I, Richard Catalano, certify that: Â Â 1.I have reviewed this quarterly report on Form 10-Q of CVD Equipment Corporation; Â Â Â Â 2.Based upon 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 upon 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 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 controls over financial reporting, or caused such internal controls 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 5.The registrantâ€™s other certifying officer 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 registrantsâ€™ board of directors (or persons performing the equivalent functions): 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 b.Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantâ€™s internal controls over financial reporting. Â Dated: August 13, 2024 Â Â Â /s/ Richard Catalano Â Richard Catalano Â Executive Vice President and Â Chief Financial Officer Â (Principal Financial Officer) Â Â Â Â EX-32.1 4 ex32-1.htm Â Exhibit 32.1 Â Certification of Principal Executive Officer Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Â I, Emmanuel Lakios, President and Chief Executive Officer of CVD Equipment Corporation, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge, the quarterly report on Form 10-Q for the period ending June 30, 2024 of CVD Equipment Corporation (the â€œForm 10-Qâ€) fully complies with the requirements of Section 13 (a) or 15 (d) of the Securities Exchange Act of 1934 and the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of CVD Equipment Corporation. Â Dated: August 13, 2024 /s/ Emmanuel Lakios Â Emmanuel Lakios Â President and Chief Executive Officer Â (Principal Executive Officer) Â Â Â EX-32.2 5 ex32-2.htm Â Exhibit 32.2 Â Certification of Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Â I, Richard Catalano, Chief Financial Officer of CVD Equipment Corporation, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge, the quarterly report on Form 10-Q for the period ending June 30, 2024 of CVD Equipment Corporation (the â€œForm 10-Qâ€) fully complies with the requirements of Section 13 (a) or 15 (d) of the Securities Exchange Act of 1934 and the information contained in the Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of CVD Equipment Corporation. Â Dated: August 13, 2024 /s/ Richard Catalano Â Richard Catalano Â Executive Vice President and Â Chief Financial Officer Â (Principal Financial Officer) Â Â Â EX-101.SCH 6 cvv-20240630.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 Changes in Stockholders' Equity (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000006 - Statement - Condensed Consolidated Statements of Cash Flows (Unaudited) link:presentationLink link:calculationLink link:definitionLink 00000007 - Disclosure - BASIS OF PRESENTATION link:presentationLink link:calculationLink link:definitionLink 00000008 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES link:presentationLink link:calculationLink link:definitionLink 00000009 - Disclosure - CONCENTRATION OF CREDIT RISK link:presentationLink link:calculationLink link:definitionLink 00000010 - Disclosure - REVENUE RECOGNITION link:presentationLink link:calculationLink link:definitionLink 00000011 - Disclosure - INVENTORIES link:presentationLink link:calculationLink link:definitionLink 00000012 - Disclosure - LONG-TERM DEBT link:presentationLink link:calculationLink link:definitionLink 00000013 - Disclosure - EARNINGS PER SHARE link:presentationLink link:calculationLink link:definitionLink 00000014 - Disclosure - STOCK-BASED COMPENSATION EXPENSE link:presentationLink link:calculationLink link:definitionLink 00000015 - Disclosure - INCOME TAXES link:presentationLink link:calculationLink link:definitionLink 00000016 - Disclosure - SEGMENT REPORTING link:presentationLink link:calculationLink link:definitionLink 00000017 - Disclosure - MESOSCRIBE SUBSIDIARY link:presentationLink link:calculationLink link:definitionLink 00000018 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Policies) link:presentationLink link:calculationLink link:definitionLink 00000019 - Disclosure - REVENUE RECOGNITION (Tables) link:presentationLink link:calculationLink link:definitionLink 00000020 - Disclosure - INVENTORIES (Tables) link:presentationLink link:calculationLink link:definitionLink 00000021 - Disclosure - EARNINGS PER SHARE (Tables) link:presentationLink link:calculationLink link:definitionLink 00000022 - Disclosure - STOCK-BASED COMPENSATION EXPENSE (Tables) link:presentationLink link:calculationLink link:definitionLink 00000023 - Disclosure - SEGMENT REPORTING (Tables) link:presentationLink link:calculationLink link:definitionLink 00000024 - Disclosure - BASIS OF PRESENTATION (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000025 - Disclosure - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000026 - Disclosure - CONCENTRATION OF CREDIT RISK (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000027 - Disclosure - SCHEDULE OF DISAGGREGATION OF REVENUE (Details) link:presentationLink link:calculationLink link:definitionLink 00000028 - Disclosure - SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS (Details) link:presentationLink link:calculationLink link:definitionLink 00000029 - Disclosure - REVENUE RECOGNITION (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000030 - Disclosure - SCHEDULE OF INVENTORIES (Details) link:presentationLink link:calculationLink link:definitionLink 00000031 - Disclosure - INVENTORIES (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000032 - Disclosure - LONG-TERM DEBT (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000033 - Disclosure - SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING (Details) link:presentationLink link:calculationLink link:definitionLink 00000034 - Disclosure - EARNINGS PER SHARE (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000035 - Disclosure - SCHEDULE OF STOCK BASED COMPENSATION EXPENSE (Details) link:presentationLink link:calculationLink link:definitionLink 00000036 - Disclosure - SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS (Details) link:presentationLink link:calculationLink link:definitionLink 00000037 - Disclosure - SCHEDULE OF STOCK OPTIONS AWARDS (Details) link:presentationLink link:calculationLink link:definitionLink 00000038 - Disclosure - SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES (Details) link:presentationLink link:calculationLink link:definitionLink 00000039 - Disclosure - STOCK-BASED COMPENSATION EXPENSE (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000040 - Disclosure - SCHEDULE OF SEGMENTS (Details) link:presentationLink link:calculationLink link:definitionLink 00000041 - Disclosure - SCHEDULE OF SEGMENTS (Details) (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 00000042 - Disclosure - SEGMENT REPORTING (Details Narrative) link:presentationLink link:calculationLink link:definitionLink 00000043 - Disclosure - MESOSCRIBE SUBSIDIARY (Details Narrative) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 7 cvv-20240630_cal.xml XBRL CALCULATION FILE EX-101.DEF 8 cvv-20240630_def.xml XBRL DEFINITION FILE EX-101.LAB 9 cvv-20240630_lab.xml XBRL LABEL FILE Equity Components [Axis] Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] Cash and Cash Equivalents [Axis] US Treasury Bill Securities [Member] Concentration Risk Benchmark [Axis] Accounts Receivable [Member] Customer [Axis] One Customer [Member] Concentration Risk Type [Axis] Customer Concentration Risk [Member] Two Customers [Member] Three Customers [Member] Revenue Benchmark [Member] Four Customers [Member] Timing of Transfer of Good or Service [Axis] Transferred over Time [Member] Product and Service [Axis] Energy [Member] Transferred at Point in Time [Member] Aerospace [Member] Industrial [Member] Research [Member] Inventory [Axis] PVT 150 Systems [Member] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Loan Agreement to Fund Machinery Acquisition [Member] Statement of Income Location, Balance [Axis] Cost of Revenue [Member] Research and Development Expense [Member] Selling Expense [Member] General and Administrative Expense [Member] Award Type [Axis] Restricted Stock [Member] Title and Position [Axis] Director [Member] Directors [Member] Share-Based Payment Arrangement, Option [Member] Exercise Price Range [Axis] Exercise Price Range One [Member] Exercise Price Range Two [Member] Exercise Price Range Three [Member] Exercise Price Range Four [Member] Consolidation Items [Axis] Intersegment Eliminations [Member] Segments [Axis] CVD Equipment [Member] SDC [Member] Operating Segments [Member] CVD Materials [Member] Segment Reporting, Reconciling Item, Corporate Nonsegment [Member] Related and Nonrelated Parties [Axis] Tantaline Subsidiary [Member] Consolidated Entities [Axis] Meso Scribe Technologies Inc [Member] Cover [Abstract] 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] Entity Listing, Par Value Per Share Statement of Financial Position [Abstract] ASSETS Current assets Cash and cash equivalents Accounts receivable, net of allowance for credit losses Contract assets Inventories Other current assets Total current assets Property, plant and equipment, net Other assets Total assets LIABILITIES AND STOCKHOLDERSâ€™ EQUITY Current liabilities Accounts payable Accrued expenses Current maturities of long-term debt Contract liabilities Deposit from purchaser of MesoScribe assets-Note 11 Total current liabilities Long-term debt, net of current portion Total liabilities Stockholdersâ€™ equity: Common stock - $0.01 par value â€“ 20,000,000 shares authorized; issued and outstanding 6,825,338 at June 30, 2024 and 6,824,511 at December 31, 2023 Additional paid-in capital Accumulated deficit Total stockholdersâ€™ equity Total liabilities and stockholdersâ€™ equity Common stock, par value Common stock, shares authorized Common stock, shares issued Common stock, shares outstanding Income Statement [Abstract] Revenue Cost of revenue Gross profit Operating expenses Research and development Selling and shipping General and administrative Loss on disposition of Tantaline Impairment charge Total operating expenses Operating loss Other income (expense): Interest income Interest expense Foreign exchange income Other income (expense) Total other income, net Loss before income tax Income tax expense Net loss Loss per common share - basic Loss per common share - diluted Weighted average common shares Basic Diluted Statement [Table] Statement [Line Items] Balance Balance, shares Net loss Stock-based compensation Stock-based compensation, shares Exercise of stock options and issuance of shares Exercise of stock options and issuance of shares, shares Balance Balance, shares Statement of Cash Flows [Abstract] Cash flows from operating activities: Adjustments to reconcile net loss to net cash used in operating activities: Stock-based compensation Depreciation and amortization Changes in assets and liabilities, net of effects of disposition of Tantaline: Accounts receivable Contract assets Inventories Other current assets Accounts payable Accrued expenses Contract liabilities Net cash used in operating activities Cash flows from investing activities: Purchases of property and equipment Net cash used in connection with disposition of Tantaline Net cash used in investing activities Cash flows from financing activities Payments of long-term debt Proceeds from exercise of stock options Net cash (used in) provided by financing activities Net decrease in cash and cash equivalents Cash and cash equivalents at beginning of period Cash and cash equivalents at end of period Supplemental disclosure of cash flow information: Income taxes paid Interest paid Accounting Policies [Abstract] BASIS OF PRESENTATION SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Risks and Uncertainties [Abstract] CONCENTRATION OF CREDIT RISK Revenue from Contract with Customer [Abstract] REVENUE RECOGNITION Inventory Disclosure [Abstract] INVENTORIES Debt Disclosure [Abstract] LONG-TERM DEBT Earnings Per Share [Abstract] EARNINGS PER SHARE Share-Based Payment Arrangement [Abstract] STOCK-BASED COMPENSATION EXPENSE Income Tax Disclosure [Abstract] INCOME TAXES Segment Reporting [Abstract] SEGMENT REPORTING Discontinued Operations and Disposal Groups [Abstract] MESOSCRIBE SUBSIDIARY Revenue Recognition Inventories Product Warranty Recent Accounting Standards SCHEDULE OF DISAGGREGATION OF REVENUE SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS SCHEDULE OF INVENTORIES SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING SCHEDULE OF STOCK BASED COMPENSATION EXPENSE SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS SCHEDULE OF STOCK OPTIONS AWARDS SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES SCHEDULE OF SEGMENTS Contract assets, impairment loss Standard product warranty description Concentration Risk [Table] Concentration Risk [Line Items] Cash equivalents Uninsured amount Allowance for doubtful accounts Concentration risk, percentage Disaggregation of Revenue [Table] Disaggregation of Revenue [Line Items] Total Costs incurred on contracts in progress Estimated earnings Costs and estimated earnings on uncompleted contracts Billings to date Net cost in excess of billings Deferred revenue related to non-system contracts Â Contract liability in excess of contract assets Unrecognized contract revenue Contract liability Raw materials Work-in-process Finished goods Total Inventory, Current [Table] Inventory [Line Items] Collaborative Arrangement and Arrangement Other than Collaborative [Table] Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Loan principal amount Loan payment term Loan, monthly installment amount Loan interest rate Basic weighted average common shares outstanding Dilutive effect of options and unvested restricted stock Diluted weighted average shares outstanding Stock option outstanding Stock option exercisable Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Total Stock price Exercise price Dividend yield Expected volatility Risk-free interest rate Expected life (in years) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Stock option awards outstanding, beginning balance Stock option awards, granted Stock option awards, forfeited Stock option awards outstanding, ending balance Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Weighted average exercise price outstanding, beginning balance Weighted average exercise price, granted Weighted average exercise price, forfeited Weighted average exercise price outstanding, ending balance Share-Based Payment Arrangement, Option, Exercise Price Range [Table] Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Exercise price range, lower limit Exercise price range, upper limit Number of options outstanding Number of options outstanding, weighted average remaining contractual term Number of options outstanding, weighted average exercise price Number of options outstanding, intrinsic value Number of options exercisable Number of options exercisable, weighted average exercise price Number of options exercisable, intrinsic value Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Stock based compensation expenses Annual equity retainer amount Stock option granted Stock option vesting percentage Vesting period Expiration period Weighted average fair value of stock options granted Unrecognized compensation costs Unrecognized compensation costs, recoginition period Schedule of Segment Reporting Information, by Segment [Table] Segment Reporting Information [Line Items] Assets Operating (loss) income Pretax (loss) income Purchase of property, plant & equipment Defined Benefit Plan [Table] Defined Benefit Plan Disclosure [Line Items] Loss on sale of assets Asset impairment charges Number of operating segments Revenue from contract with customer, including assessed tax Aggregate purchase price Deposits from purchaser of equipment Revenues Liabilities Deposits from purchaser of MesoScribe assets. Schedule Of Cost And Estimated Earnings In Excess Of Billings [Table Text Block] Costs incurred on uncompleted contracts. Costs and estimated earnings on uncompleted contracts. Billings to date. Net cost in excess of billings. Deferred revenues related to contracts. Contract liability in excess of contract assets. PVT 150 Systems [Member] Loan Agreement to Fund Machinery Acquisition [Member] Share based payment arrangement annual equity retainer amount. Exercise Price Range One [Member] Exercise Price Range Two [Member] One Customer [Member] Two Customers [Member] Three Customers [Member] Exercise Price Range Three [Member] Exercise Price Range Four [Member] CVD Equipment [Member] SDC [Member] Estimated earnings. CVD Materials [Member] Meso Scribe Technologies Inc [Member] Sale of proprietary assets and license certain propriety information aggregate purchase price. Energy [Member] Aerospace [Member] Industrial [Member] Research [Member] Tantaline Subsidiary [Member] Four Customers [Member] Selling Expense [Member] Cost of Revenue [Member] Directors [Member] Assets, Current Liabilities, Current Equity, Attributable to Parent Liabilities and Equity Gross Profit Gain (Loss) on Disposition of Business Operating Expenses Interest Expense, Nonoperating Nonoperating Income (Expense) Shares, Outstanding Share-Based Payment Arrangement, Noncash Expense Increase (Decrease) in Accounts Receivable Increase (Decrease) in Contract with Customer, Asset Increase (Decrease) in Inventories Increase (Decrease) in Other Current Assets Increase (Decrease) in Accounts Payable Increase (Decrease) in Accrued Liabilities Increase (Decrease) in Contract with Customer, Liability Net Cash Provided by (Used in) Operating Activities Payments to Acquire Property, Plant, and Equipment Cash Divested from Deconsolidation Net Cash Provided by (Used in) Investing Activities Repayments of Long-Term Debt Net Cash Provided by (Used in) Financing Activities Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Inventory, Policy [Policy Text Block] CostsAndEstimatedEarningsOnUncompletedContracts BillingsToDate NetCostInExcessOfBillings Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price EX-101.PRE 10 cvv-20240630_pre.xml XBRL PRESENTATION FILE XML 12 R1.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Cover - $ / shares 6 Months Ended Jun. 30, 2024 Aug. 13, 2024 Cover [Abstract] Â Â Document Type 10-Q Â Amendment Flag false Â Document Quarterly Report true Â Document Transition Report false Â Document Period End Date Jun. 30, 2024 Â Document Fiscal Period Focus Q2 Â Document Fiscal Year Focus 2024 Â Current Fiscal Year End Date --12-31 Â Entity File Number 1-16525 Â Entity Registrant Name CVD EQUIPMENT CORPORATION Â Entity Central Index Key 0000766792 Â Entity Tax Identification Number 11-2621692 Â Entity Incorporation, State or Country Code NY Â Entity Address, Address Line One 355 South Technology Drive Â Entity Address, City or Town Central Islip Â Entity Address, State or Province NY Â Entity Address, Postal Zip Code 11722 Â City Area Code (631) Â Local Phone Number 981-7081 Â Title of 12(b) Security Common Stock Â Trading Symbol CVV Â Security Exchange Name NASDAQ Â Entity Current Reporting Status Yes Â Entity Interactive Data Current Yes 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 6,881,838 Entity Listing, Par Value Per Share $ 0.01 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 - DefinitionCover page. + ReferencesNo definition available. + Details Name: dei_CoverAbstract Namespace Prefix: dei_ Data Type: xbrli:stringItemType 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 - 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 par value per share of security quoted in same currency as Trading currency. Example: '0.01'. + ReferencesNo definition available. + Details Name: dei_EntityListingParValuePerShare Namespace Prefix: dei_ Data Type: dtr-types:perShareItemType 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 XML 13 R2.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Condensed Consolidated Balance Sheets (Unaudited) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Current assets Â Â Cash and cash equivalents $ 10,031 $ 14,025 Accounts receivable, net of allowance for credit losses 4,951 1,906 Contract assets 1,554 1,604 Inventories 4,658 4,454 Other current assets 592 852 Total current assets 21,786 22,841 Property, plant and equipment, net 12,041 12,166 Other assets 18 18 Total assets 33,845 35,025 Current liabilities Â Â Accounts payable 1,601 1,203 Accrued expenses 1,736 1,765 Current maturities of long-term debt 84 81 Contract liabilities 5,098 4,908 Deposit from purchaser of MesoScribe assets-Note 11 597 597 Total current liabilities 9,116 8,554 Long-term debt, net of current portion 225 268 Total liabilities 9,341 8,822 Stockholdersâ€™ equity: Â Â Common stock - $0.01 par value â€“ 20,000,000 shares authorized; issued and outstanding 6,825,338 at June 30, 2024 and 6,824,511 at December 31, 2023 68 68 Additional paid-in capital 29,229 28,695 Accumulated deficit (4,793) (2,560) Total stockholdersâ€™ equity 24,504 26,203 Total liabilities and stockholdersâ€™ equity $ 33,845 $ 35,025 X - DefinitionDeposits from purchaser of MesoScribe assets. + ReferencesNo definition available. + Details Name: CVV_DepositsFromPurchaserOfMesoscribeAssets Namespace Prefix: CVV_ 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 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 - DefinitionValue received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital. + 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)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AdditionalPaidInCapitalCommonStock 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/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 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 - 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 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 - 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 https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 3: 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 4: 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 5: 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 6: 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 7: 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 8: 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 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-5Reference 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/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 21: 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_LiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant 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, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as current. Excludes lease obligation. + 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(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt classified as noncurrent. Excludes lease obligation. + 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(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LongTermDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 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 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 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 v3.24.2.u1 Condensed Consolidated Balance Sheets (Unaudited) (Parenthetical) - $ / shares Jun. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] Â Â Common stock, par value $ 0.01 $ 0.01 Common stock, shares authorized 20,000,000 20,000,000 Common stock, shares issued 6,825,338 6,824,511 Common stock, shares outstanding 6,825,338 6,824,511 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 - 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 v3.24.2.u1 Condensed Consolidated Statements of Operations (Unaudited) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Income Statement [Abstract] Â Â Â Â Revenue $ 6,345 $ 5,069 $ 11,267 $ 13,764 Cost of revenue 4,736 3,681 8,799 9,943 Gross profit 1,609 1,388 2,468 3,821 Operating expenses Â Â Â Â Research and development 665 559 1,410 1,161 Selling and shipping 426 428 845 847 General and administrative 1,416 1,360 2,739 2,960 Loss on disposition of Tantaline 162 162 Impairment charge 111 111 Total operating expenses 2,507 2,620 4,994 5,241 Operating loss (898) (1,232) (2,526) (1,420) Other income (expense): Â Â Â Â Interest income 145 107 302 227 Interest expense (4) (6) (10) (12) Foreign exchange income 15 43 Other income (expense) (4) 13 1 20 Total other income, net 137 129 293 278 Loss before income tax (761) (1,103) (2,233) (1,142) Income tax expense 10 11 Net loss $ (761) $ (1,113) $ (2,233) $ (1,153) Loss per common share - basic $ (0.11) $ (0.16) $ (0.33) $ (0.17) Loss per common share - diluted $ (0.11) $ (0.16) $ (0.33) $ (0.17) Weighted average common shares Â Â Â Â Basic 6,816,956 6,778,754 6,813,127 6,776,035 Diluted 6,816,956 6,778,754 6,813,127 6,776,035 X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + 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 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate cost of goods produced and sold and services rendered during the reporting period. + 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://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 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/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 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)(iv)) -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)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 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)(iii)(A)) -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)(B)) -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)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1B + Details Name: us-gaap_CostOfRevenue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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, 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 - DefinitionAmount of gain (loss) from sale and disposal of integrated set of activities and assets capable of being conducted and managed for purpose of providing return in form of dividend, lower cost, or other economic benefit to investor, owner, member and participant. + 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/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1B + Details Name: us-gaap_GainLossOnSaleOfBusiness Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line. + 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-S99-2Reference 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)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_GeneralAndAdministrativeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + 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 - 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 -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 expense classified as nonoperating. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_InterestExpenseNonoperating Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount before accretion (amortization) of purchase discount (premium) of interest income on nonoperating securities. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (c) -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 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 4: 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 5: 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/1943274/2147482810/280-10-50-32 + Details Name: us-gaap_InvestmentIncomeInterest 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 aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business). + 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_NonoperatingIncomeExpense Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NonoperatingIncomeExpenseAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionGenerally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense. + ReferencesNo definition available. + Details Name: us-gaap_OperatingExpenses Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_OperatingExpensesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na 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, 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 - DefinitionExpenses recognized in the period that are directly related to the selling and distribution of products or services. + 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_SellingExpense 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 - 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 16 R5.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) - USD ($) $ in Thousands Common Stock [Member] Additional Paid-in Capital [Member] Retained Earnings [Member] Total Balance at Dec. 31, 2022 $ 67 $ 27,712 $ 1,620 $ 29,399 Balance, shares at Dec. 31, 2022 6,760,938 Â Â Â Net loss (1,153) (1,153) Stock-based compensation 397 397 Exercise of stock options and issuance of shares 76 76 Exercise of stock options and issuance of shares, shares 18,125 Â Â Â Balance at Jun. 30, 2023 $ 67 28,185 467 28,719 Balance, shares at Jun. 30, 2023 6,779,063 Â Â Â Balance at Mar. 31, 2023 $ 67 27,920 1,580 29,567 Balance, shares at Mar. 31, 2023 6,778,438 Â Â Â Net loss (1,113) (1,113) Stock-based compensation 262 262 Exercise of stock options and issuance of shares 3 3 Exercise of stock options and issuance of shares, shares 625 Â Â Â Balance at Jun. 30, 2023 $ 67 28,185 467 28,719 Balance, shares at Jun. 30, 2023 6,779,063 Â Â Â Balance at Dec. 31, 2023 $ 68 28,695 (2,560) 26,203 Balance, shares at Dec. 31, 2023 6,824,511 Â Â Â Net loss (2,233) (2,233) Stock-based compensation 534 534 Stock-based compensation, shares 827 Â Â Â Balance at Jun. 30, 2024 $ 68 29,229 (4,793) 24,504 Balance, shares at Jun. 30, 2024 6,825,338 Â Â Â Balance at Mar. 31, 2024 $ 68 28,962 (4,032) 24,998 Balance, shares at Mar. 31, 2024 6,824,511 Â Â Â Net loss (761) (761) Stock-based compensation 267 267 Stock-based compensation, shares 827 Â Â Â Balance at Jun. 30, 2024 $ 68 $ 29,229 $ (4,793) $ 24,504 Balance, shares at Jun. 30, 2024 6,825,338 Â Â Â 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 - 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 - DefinitionNumber, after forfeiture, of shares or units issued under share-based payment arrangement. Excludes shares or units issued under employee stock ownership plan (ESOP). + 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://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_StockIssuedDuringPeriodSharesShareBasedCompensation Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of share options (or share units) exercised during the current period. + 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/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 5: 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_StockIssuedDuringPeriodSharesStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na 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 - DefinitionValue of stock issued as a result of the exercise of stock options. + 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://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 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(31)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: 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_StockIssuedDuringPeriodValueStockOptionsExercised 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 17 R6.htm IDEA: XBRL DOCUMENT v3.24.2.u1 Condensed Consolidated Statements of Cash Flows (Unaudited) - USD ($) $ in Thousands 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Cash flows from operating activities: Â Â Net loss $ (2,233) $ (1,153) Adjustments to reconcile net loss to net cash used in operating activities: Â Â Stock-based compensation 534 397 Depreciation and amortization 307 392 Loss on disposition of Tantaline 162 Impairment charge 111 Changes in assets and liabilities, net of effects of disposition of Tantaline: Â Â Accounts receivable (3,045) 1,592 Contract assets 50 (781) Inventories (204) (1,616) Other current assets 260 231 Accounts payable 398 (57) Accrued expenses (29) (770) Contract liabilities 190 659 Net cash used in operating activities (3,772) (833) Cash flows from investing activities: Â Â Purchases of property and equipment (182) (225) Net cash used in connection with disposition of Tantaline (312) Net cash used in investing activities (182) (537) Cash flows from financing activities Â Â Payments of long-term debt (40) (38) Proceeds from exercise of stock options 76 Net cash (used in) provided by financing activities (40) 38 Net decrease in cash and cash equivalents (3,994) (1,332) Cash and cash equivalents at beginning of period 14,025 14,365 Cash and cash equivalents at end of period 10,031 13,033 Supplemental disclosure of cash flow information: Â Â Income taxes paid 3 11 Interest paid $ 10 $ 12 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 write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + 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 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, 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_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations 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 - DefinitionReduction in cash due to no longer including the former subsidiary's cash in the consolidated entity's cash. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_CashDivestedFromDeconsolidation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + 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_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of gain (loss) from sale and disposal of integrated set of activities and assets capable of being conducted and managed for purpose of providing return in form of dividend, lower cost, or other economic benefit to investor, owner, member and participant. + 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/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1B + Details Name: us-gaap_GainLossOnSaleOfBusiness Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount, after refund, of cash paid to foreign, federal, state, and local jurisdictions as income tax. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 23 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-23Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482685/740-10-50-22Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_IncomeTaxesPaidNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe increase (decrease) during the reporting period in the aggregate amount 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. + 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_IncreaseDecreaseInAccountsPayable 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 - DefinitionThe increase (decrease) during the reporting period in the aggregate amount of expenses incurred but not yet paid. + 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_IncreaseDecreaseInAccruedLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 - 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_IncreaseDecreaseInOperatingAssetsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in current 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_IncreaseDecreaseInOtherCurrentAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash paid for interest, excluding capitalized interest, classified as operating activity. Includes, but is not limited to, payment to settle zero-coupon bond for accreted interest of debt discount and debt instrument with insignificant coupon interest rate in relation to effective interest rate of borrowing attributable to accreted interest of debt discount. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 17 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-25Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-2 + Details Name: us-gaap_InterestPaidNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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)) -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 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-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 cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets. + 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_PaymentsToAcquirePropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash inflow from exercise of option under share-based payment arrangement. + 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/1943274/2147482740/230-10-45-14Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2A -Subparagraph (a) -SubTopic 10 -Topic 718 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2A + Details Name: us-gaap_ProceedsFromStockOptionsExercised Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-03(i)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3 + Details Name: us-gaap_RepaymentsOfLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration 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 X - ReferencesNo definition available. + Details Name: us-gaap_SupplementalCashFlowInformationAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 18 R7.htm IDEA: XBRL DOCUMENT v3.24.2.u1 BASIS OF PRESENTATION 6 Months Ended Jun. 30, 2024 Accounting Policies [Abstract] Â BASIS OF PRESENTATION NOTE 1: Â BASIS OF PRESENTATION Â The accompanying unaudited condensed consolidated financial statements for CVD Equipment Corporation and Subsidiaries (collectively â€œthe Companyâ€) have been prepared in accordance with accounting principles generally accepted in the United States of America for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. They do not include all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary in order to make the interim financials not misleading have been included and all such adjustments are of a normal recurring nature. The operating results for the three and six months ended June 30, 2024 are not necessarily indicative of the results that can be expected for the year ending December 31, 2024. Â The condensed consolidated balance sheet as of December 31, 2023 has been derived from the audited consolidated financial statements at such date, as filed on Form 10-K with the SEC on March 28, 2024, but does not contain all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. These unaudited condensed consolidated financial statements should be read in conjunction with that report. Â All material intercompany balances and transactions have been eliminated in consolidation. Â Reclassifications Â Certain reclassifications have been made to the prior period condensed consolidated financial statements to conform to the current period presentation. These reclassifications had no effect on net loss. Â Liquidity Â At June 30, 2024, the Company had $10.0 million in cash and cash equivalents. The Company anticipates that the existing cash and cash equivalents balance together with potential future income from operations, collections of existing accounts receivable, revenue from its existing backlog of products as of this filing date, the sale of inventory on hand, deposits and down payments against significant orders will be adequate to meet its working capital and capital equipment requirements, and its anticipated cash needs over the next 12 months from the date of issuance of these condensed consolidated financial statements Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) 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 the business description and basis of presentation concepts. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. Basis of presentation describes the underlying basis 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/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 275 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205/tableOfContent + Details Name: us-gaap_BusinessDescriptionAndBasisOfPresentationTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 19 R8.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES 6 Months Ended Jun. 30, 2024 Accounting Policies [Abstract] Â SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES Â Revenue Recognition Â In accordance with FASB ASC 606 - Revenue from Contracts with Customers (â€œASC 606â€), the Company records revenue in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services promised to its customers. Under ASC 606, the Company follows a five-step model to: (1) identify the contract with the customer; (2) identify the performance obligations in the contract; (3) determine the transaction price for the contract; (4) allocate the transaction price to the performance obligations; and (5) recognize revenue using one of the following two methods: Â Over time Â The Company designs, manufactures and sells custom chemical vapor deposition equipment through contractual agreements. These system sales require the Company to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. For systems sales that meet the criteria to recognize revenue over time, the Company recognizes revenue over time by using an input method based on costs incurred as it depicts the Companyâ€™s progress toward satisfaction of the performance obligation. For system sales that do not meet the criteria to recognize revenue over time based on the contract provisions, the Company recognizes revenue based on point in time as discussed below. Â Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work in process, and installed, as required by the projectâ€™s engineering design. Cost based input methods of revenue recognition require the Company to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known and can be reasonably estimated. There were no material impairment losses recognized on contract assets during the three and six months ended June 30, 2024 and 2023. Â The timing of revenue recognition, billings and collections results in accounts receivables, unbilled receivables or contract assets and contract liabilities on our consolidated balance sheet. Under typical payment terms for our contracts accounted for over time, amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Under ASC 606, payments received from customers in excess of revenue recognized to-date results in a contract liability. These contract liabilities are not considered to represent a significant financing component of the contract because we believe these cash advances and deposits are generally used to meet working capital demands which can be higher in the earlier stages of a contract. Also, advanced payments and deposits provide us with some measure of assurance that the customer will perform on its obligations under the contract. Â Contract assets include unbilled amounts typically resulting from system sales under contracts and represents revenue recognized that exceeds the amount billed to the customer. Â Contract liabilities include advance payments and billings in excess of revenue recognized. The Company typically receives down payments upon receipt of orders and progress payments as the system is manufactured. Â Contract assets and contract liabilities are classified as current as these contracts in progress are expected to be substantially completed within the next twelve months. Â Point in time Â For non-system sales of products and services, revenue is recognized at the point in time when control of the promised products or services is transferred to the Companyâ€™s customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those products or services (the transaction price). A performance obligation is a promise in a contract to transfer a distinct product or service to a customer and is the unit of account under ASC 606, â€œRevenue from Contracts with Customersâ€. Â For any system equipment sales where the equipment would have an alternative use or where the contract provisions of the contract preclude the use of over time revenue recognition, revenue is recognized at the point in time when control of the equipment is transferred to the customer. For the three and six months ended June 30, 2024 and 2023, all system equipment sales were recorded over time by using an input method except for one system equipment contract in the second quarter of 2023 where the revenue was to be recognized at the point in time when the equipment was transferred to the customer. Subsequent to June 30, 2023, this one system equipment contract was modified such that the revenue under this contract would be recognized over time using an input method based on the revised contract provisions and the fact that the equipment does not have an alternative use. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Inventories Â Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Work-in-process and finished goods inventory reflect all accumulated production costs, which are comprised of direct production costs and overhead, and is reduced by amounts recorded in cost of sales as the related revenue is recognized. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our cost of sales or work-in-process and finished goods inventory. Obsolete inventory or inventory in excess of managementâ€™s estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials and other qualitative factors. Unanticipated changes in demand for the Companyâ€™s products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Â Product Warranty Â The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in â€œCost of revenueâ€ in the condensed consolidated statements of operations. The estimated warranty cost is based on the Companyâ€™s historical cost. The Company updates its warranty estimates based on actual costs incurred. Â Recent Accounting Standards Â In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendments in this update expand annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. This update is effective for our annual report for fiscal year 2025, and interim periods thereafter, with early adoption permitted, and will be applied retrospectively to all prior periods presented in the financial statements. We are currently evaluating the impact of this ASU on our Consolidated Financial Statements and related disclosures. Â In December 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvement to Income Tax Disclosures. The amendments further enhance income tax disclosures, primarily through standardization and disaggregation of rate reconciliation categories and income taxes paid by jurisdiction. This ASU is effective for our annual report for fiscal year 2026, with early adoption permitted, and should be applied either prospectively or retrospectively. We are currently evaluating the timing of adoption and impact of this ASU on our Consolidated Financial Statements and related disclosures. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Â The Company believes there is no additional new accounting guidance adopted, but not yet effective, that is relevant to the readers of our financial statements. However, there are numerous new proposals under development which, if and when enacted, may have a significant impact on our financial reporting. 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 20 R9.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONCENTRATION OF CREDIT RISK 6 Months Ended Jun. 30, 2024 Risks and Uncertainties [Abstract] Â CONCENTRATION OF CREDIT RISK NOTE 3: CONCENTRATION OF CREDIT RISK Â Cash and cash equivalents Â The Company had cash and cash equivalents of $10.0 million and $14.0 million at June 30, 2024 and December 31, 2023, respectively. The Company invests excess cash in U.S. treasury bills, certificates of deposit or deposit accounts, all with maturities of less than three months. Cash equivalents consisting of U.S. treasury bills were $9.8 million and $12.1 million at June 30, 2024 and December 31, 2023, respectively. Â The Company places most of its temporary cash investments in the United States with financial institutions, which from time to time may exceed the Federal Deposit Insurance Corporation limit. The amount at risk at June 30, 2024 and December 31, 2023 was $0.1 million and $1.5 million, respectively. Â Accounts receivable Â The Company sells products and services to various companies across several industries in the ordinary course of business. The Company performs ongoing credit evaluations to assess the probability of accounts receivable collection based on a number of factors, including past transaction experience, evaluation of their credit history and review of the invoicing terms of the contract to determine the financial strength of its customers. Â Accounts receivable are presented net of an allowance for credit losses of approximately $36,000 at both June 30, 2024 and December 31, 2023. The allowance is based on prior experience and managementâ€™s evaluation of the collectability of accounts receivable. Measurement of credit losses requires consideration of historical loss experience, including the need to adjust for changing business conditions, and judgments about the probable effects of relevant observable data, including present economic conditions such as delinquency rates and the financial health of specific customers. Future changes to the estimated allowance for credit losses could be material to our results of operations and financial condition. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 3: CONCENTRATION OF CREDIT RISK (continued) Â At June 30, 2024, the accounts receivable balance included amounts from two customers that represented 35.7% and 10.5% of total accounts receivable. As of December 31, 2023, the accounts receivable balance includes amounts from three customers that represented 37.6%, 13.0% and 12.8% of total accounts receivable. Â Sales concentration Â Revenue from a single customer in any one period can exceed 10% of our total revenues. During the three months ended June 30, 2024, one customer exceeded 10% of revenues, representing 35.2% of revenues, and during the six months ended June 30, 2024, one customer exceeded 10%, representing 32.8% of revenues. Â During the three months ended June 30, 2023, four customers exceeded 10% of revenues, representing 16.1%, 15.6%, 11.0% and 10.2% of revenues, and during the six months ended June 30, 2023, two customers exceeded 10%, representing 21.0% and 15.8% of revenues. Â X - DefinitionThe entire disclosure for any concentrations existing at the date of the financial statements that make an entity vulnerable to a reasonably possible, near-term, severe impact. This disclosure informs financial statement users about the general nature of the risk associated with the concentration, and may indicate the percentage of concentration risk as of the balance sheet date. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 275 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/275/tableOfContent + Details Name: us-gaap_ConcentrationRiskDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_RisksAndUncertaintiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 21 R10.htm IDEA: XBRL DOCUMENT v3.24.2.u1 REVENUE RECOGNITION 6 Months Ended Jun. 30, 2024 Revenue from Contract with Customer [Abstract] Â REVENUE RECOGNITION NOTE 4: REVENUE RECOGNITION Â The following table represents a disaggregation of revenue for the three and six months ended June 30, 2024, and 2023 (in thousands): Â SCHEDULE OF DISAGGREGATION OF REVENUE Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $12Â Â $251Â AerospaceÂ Â 2,694Â Â Â 179Â Â Â 2,873Â IndustrialÂ Â 1,542Â Â Â 300Â Â Â 1,842Â ResearchÂ Â 1,174Â Â Â 205Â Â Â 1,379Â TotalÂ $5,649Â Â $696Â Â $6,345Â Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $760Â Â $38Â Â $798Â AerospaceÂ Â -Â Â Â 604Â Â Â 604Â IndustrialÂ Â 1,085Â Â Â 915Â Â Â 2,000Â ResearchÂ Â 1,184Â Â Â 483Â Â Â 1,667Â TotalÂ $3,029Â Â $2,040Â Â $5,069Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 4: REVENUE RECOGNITION (continued) Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $30Â Â $269Â AerospaceÂ Â 4,496Â Â Â 494Â Â Â 4,990Â IndustrialÂ Â 2,801Â Â Â 774Â Â Â 3,575Â ResearchÂ Â 2,035Â Â Â 398Â Â Â 2,433Â TotalÂ $9,571Â Â $1,696Â Â $11,267Â Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $3,276Â Â $52Â Â $3,328Â AerospaceÂ Â 264Â Â Â 855Â Â Â 1,119Â IndustrialÂ Â 4,756Â Â Â 1,127Â Â Â 5,883Â ResearchÂ Â 2,456Â Â Â 978Â Â Â 3,434Â TotalÂ $10,752Â Â $3,012Â Â $13,764Â Â The energy market includes customers involved in the manufacture of silicon carbide wafers and batteries. Aerospace market includes customers that manufacture aircraft engines. Industrial end market consists of various end customers in diverse industries. Research market principally represents customers such as universities and other research institutions. Â The Company has unrecognized contract revenue of approximately $21.6 million at June 30, 2024, which it expects to substantially recognize as revenue within the next twelve months based on over time revenue recognition. Â Judgment is required to evaluate assumptions including the amount of net contract revenues and the total estimated costs to determine our progress towards contract completion and to calculate the corresponding amount of revenue to recognize. Â Changes in estimates for sales of systems may occur for a variety of reasons, including but not limited to (i) build accelerations or delays, (ii) product cost forecast changes, (iii) cost related change orders or add-ons, or (iv) changes in other information used to estimate costs. Changes in estimates may have a material effect on the Companyâ€™s condensed consolidated statements of operations. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 4: REVENUE RECOGNITION (continued) Â Contract assets and liabilities Â Contract assets and contract liabilities on input method type contracts in progress are summarized as follows as of June 30, 2024 (in thousands): Â SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS Â Â Â Â Â Costs incurred on contracts in progressÂ $11,009Â Estimated earningsÂ Â 5,609Â Costs and estimated earnings on uncompleted contractsÂ Â 16,618Â Billings to dateÂ Â (19,589) Net cost in excess of billingsÂ Â (2,971) Â Â Â Â Â Deferred revenue related to non-system contractsÂ Â (573) Â Contract liability in excess of contract assets Â $(3,544) Included in accompanying condensed consolidated balance sheet as of June 30, 2024 under the following captions (in thousands):Â Â Â Â Contract assetsÂ $1,554Â Contract liabilitiesÂ $5,098Â Â Of the contract liability balances at December 31, 2023 and 2022 of $4.6 million and $4.1 million, respectively, $2.7 million and $2.6 million was recognized as revenue during the six months ended June 30, 2024 and 2023, respectively. 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 22 R11.htm IDEA: XBRL DOCUMENT v3.24.2.u1 INVENTORIES 6 Months Ended Jun. 30, 2024 Inventory Disclosure [Abstract] Â INVENTORIES NOTE 5: INVENTORIES Â SCHEDULE OF INVENTORIES Inventories consist of:Â Â Â Â Â Â Â Â June 30, 2024Â Â December 31, 2023Â Â Â Â Â Â Â Â Raw materialsÂ $2,231Â Â $2,351Â Work-in-processÂ Â 1,612Â Â Â 1,248Â Finished goodsÂ Â 815Â Â Â 855Â TotalÂ $4,658Â Â $4,454Â Â Included in our inventories (raw materials, work-in-process and finished goods) are approximately $1.8 million related to PVT 150 systems that were purchased in anticipation of future orders. In the event that such orders do not materialize, the Company would incur a charge to reduce the carrying value of such inventory to market. Such a charge may be material to the Companyâ€™s financial position and future results of operations. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) 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 23 R12.htm IDEA: XBRL DOCUMENT v3.24.2.u1 LONG-TERM DEBT 6 Months Ended Jun. 30, 2024 Debt

Disclosure [Abstract] Â LONG-TERM DEBT NOTE 6: LONG-TERM DEBT Â In September 2022, the Company entered into a loan agreement to fund the acquisition of machinery. The loan amount of $432,000, is payable in 60 equal monthly installments of $8,352 and secured by equipment. The interest rate is 6%. Â X - ReferencesNo definition available. + Details Name: us-gaap_DebtDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-term debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContent + Details Name: us-gaap_LongTermDebtTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R13.htm IDEA: XBRL DOCUMENT v3.24.2.u1 EARNINGS PER SHARE 6 Months Ended Jun. 30, 2024 Earnings Per Share [Abstract] Â EARNINGS PER SHARE NOTE 7: EARNINGS PER SHARE Â The calculation of basic and diluted weighted average common shares outstanding for the three and six months ended June 30, 2024 and 2023 is as follows: Â SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic weighted average common shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Dilutive effect of options and unvested restricted stockÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Diluted weighted average shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Â At June 30, 2024, stock options to purchase 838,125 shares of common stock were outstanding and 416,875 were exercisable. At June 30, 2023, stock options to purchase 599,500 shares of common stock were outstanding and 297,500 were exercisable. Â For the three and six months ended June 30, 2024 and 2023, all stock options were excluded in the computation of diluted earnings per share because their effect was antidilutive. Â 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 entire disclosure for earnings per share. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/260/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-3 + Details Name: us-gaap_EarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R14.htm IDEA: XBRL DOCUMENT v3.24.2.u1 STOCK-BASED COMPENSATION EXPENSE 6 Months Ended Jun. 30, 2024 Share-Based Payment Arrangement [Abstract] Â STOCK-BASED COMPENSATION EXPENSE NOTE 8: STOCK-BASED COMPENSATION EXPENSE Â The Company recorded stock-based compensation for the three and six months ended June 30, 2024 and 2023, respectively, that were included in the following line items in our condensed consolidated statements of operations (in thousands): Â SCHEDULE OF STOCK BASED COMPENSATION EXPENSE Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Cost of revenueÂ $38Â Â $41Â Â $76Â Â $60Â Research and developmentÂ Â 47Â Â Â 45Â Â Â 94Â Â Â 65Â SellingÂ Â 27Â Â Â 31Â Â Â 54Â Â Â 42Â General and administrativeÂ Â 155Â Â Â 145Â Â Â 310Â Â Â 230Â TotalÂ $267Â Â $262Â Â $534Â Â $397Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 8: STOCK-BASED COMPENSATION EXPENSE (continued) Â Stock-based compensation expense for three months ended June 30, 2024 and 2023 included $57,423 and 40,000, respectively, and for the six month periods June 30, 2024 and 2023 included $103,736 and $80,000, respectively, related to restricted stock awards that directors are entitled to receive pursuant to the Director Compensation Plan. Under this plan each of the Companyâ€™s independent directors is entitled to an Annual Equity Retainer in the amount of $40,000, to be granted on the date of the Companyâ€™s annual meeting of shareholders. Â For the six months ended June 30, 2024, the Company granted 5,000 stock options, vesting 25% per year over four years, with a ten-year life. The Company determined the weighted average fair value of stock options granted was $3.30 and is based upon weighted average assumptions below. Â SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS Stock priceÂ $4.75Â Exercise priceÂ $4.75Â Dividend yieldÂ Â 0% Expected volatilityÂ Â 77% Risk-free interest rateÂ Â 4.12% Expected life (in years)Â Â 6.00Â Â The following table summarizes stock options awards through June 30, 2024: Â SCHEDULE OF STOCK OPTIONS AWARDS Â Â Â Â Â WeightedÂ Â Â Stock OptionÂ Â AverageÂ Â Â AwardsÂ Â ExerciseÂ Â Â (in shares)Â Â PriceÂ Â Â Â Â Â Â Â Outstanding at January 1, 2024Â Â 846,875Â Â Â 8.20Â GrantedÂ Â 5,000Â Â Â 4.75Â ForfeitedÂ Â (13,750)Â Â 7.94Â Outstanding at June 30, 2024Â Â 838,125Â Â $8.18Â Â The following table summarizes information about the outstanding and exercisable options at June 30, 2024 by ranges of exercise prices: Â SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES Â Â Options OutstandingÂ Â Options ExercisableÂ Â Â Â Â Â WeightedÂ Â WeightedÂ Â Â Â Â Â Â Â WeightedÂ Â Â Â ExerciseÂ Â Â Â AverageÂ Â AverageÂ Â Â Â Â Â Â Â AverageÂ Â Â Â PriceÂ NumberÂ Â RemainingÂ Â ExerciseÂ Â IntrinsicÂ Â NumberÂ Â ExerciseÂ Â IntrinsicÂ RangeÂ OutstandingÂ Â ContractualÂ Â PriceÂ Â ValueÂ Â ExercisableÂ Â PriceÂ Â ValueÂ $4.00-7.00Â Â 459,625Â Â Â 7.4Â Â $4.55Â Â $Â Â Â Â Â -Â Â Â 217,250Â Â $4.45Â Â $Â Â Â Â Â -Â $7.01-10.00Â Â 20,000Â Â Â 3.8Â Â $8.07Â Â $-Â Â Â 20,000Â Â $8.07Â Â $-Â $10.01-13.00Â Â 130,000Â Â Â 3.2Â Â $10.62Â Â $-Â Â Â 122,500Â Â $10.55Â Â $-Â $13.01-16.00Â Â 228,500Â Â Â 8.7Â Â $14.11Â Â $-Â Â Â 57,125Â Â $14.11Â Â $-Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 8: STOCK-BASED COMPENSATION EXPENSE (continued) Â As of June 30, 2024, there was $2.0 million of unrecognized compensation costs related to stock options expected to be recognized over a weighted average period of 1.8 years. Â X - DefinitionThe entire disclosure for 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)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/718/tableOfContentReference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -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 (h)(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 (h)(2)(i) -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 (l) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 26 R15.htm IDEA: XBRL DOCUMENT v3.24.2.u1 INCOME TAXES 6 Months Ended Jun. 30, 2024 Income Tax Disclosure [Abstract] Â INCOME TAXES NOTE 9: INCOME TAXES Â As of June 30, 2024 and December 31, 2023, the Company has provided a full valuation allowance against its net deferred tax assets. This was based on managementâ€™s assessment, including the last four years of operating losses, that it is more likely than not that the net deferred tax assets may not be realized in the future. Management continues to evaluate for potential utilization of the Companyâ€™s net deferred tax asset, which has been fully reserved for, on a quarterly basis, reviewing our economic models, including projections of future operating results. 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 27 R16.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SEGMENT REPORTING 6 Months Ended Jun. 30, 2024 Segment Reporting [Abstract] Â SEGMENT REPORTING NOTE 10: SEGMENT REPORTING Â The Company operates through three segments: CVD Equipment, Stainless Design Concepts (â€œSDCâ€) and CVD Materials. The CVD Equipment segment manufactures and sells chemical vapor deposition, physical vapor transport and similar equipment. The SDC segment designs and manufactures ultra-high purity gas and chemical delivery control systems. The CVD Materials segment provides material coatings for aerospace, medical, electronic and other applications and is not considered a core business of the Company. The Company evaluates performance based on several factors, of which the primary financial measure is income (loss) before taxes. Â The Companyâ€™s corporate administration activities are reported in the â€œCorporateâ€ column. These activities primarily include expenses related to certain corporate officers and support staff, expenses related to the Companyâ€™s Board of Directors, stock option expense for options and shares of restricted stock granted to corporate administration employees and board members, certain consulting expenses, investor and shareholder relations activities, and all of the Companyâ€™s legal, auditing and professional fees. Â Elimination entries included in the â€œEliminationsâ€ column represent intersegment revenues and cost of revenues that are eliminated in consolidation. Intersegment sales by the SDC segment to the CVD Equipment segment for the three months ended June 30, 2024 and 2023 were $132,000 and $138,000, respectively and $147,000 and $266,000 for the six months ended June 30, 2024 and 2023, respectively. There were no intersegment sales by the CVD Equipment segment to the SDC segment during the three and six months ended June 30, 2024. Intersegment sales by the CVD Equipment segment to the SDC segment for the three months and six months ended June 30, 2023 were $64,000. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 10: SEGMENT REPORTING (continued) Â The following table presents certain information regarding the Companyâ€™s segments as of and for the three months ended June 30, 2024 and 2023 (in thousands): Â SCHEDULE OF SEGMENTS 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $29,368Â Â $4,310Â Â $222Â Â $(55)Â $-Â Â $33,845Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $4,107Â Â $2,315Â Â $55Â Â $(132)Â $-Â Â $6,345Â Operating (loss) incomeÂ Â (729)Â Â 714Â Â Â (45)Â Â (8)Â Â (830)Â Â (898) Pretax (loss) incomeÂ Â (743)Â Â 714Â Â Â (45)Â Â (8)Â Â (679)Â Â (761) Depreciation and amortizationÂ $141Â Â $13Â Â $-Â Â $-Â Â $-Â Â $154Â Purchase of property, plant & equipmentÂ $101Â Â $4Â Â $-Â Â $-Â Â $-Â Â $105Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $32,139Â Â $4,189Â Â $483Â Â $(28)Â $-Â Â $36,783Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $3,134Â Â $1,795Â Â $342Â Â $(202)Â $-Â Â $5,069Â Operating (loss) incomeÂ Â (445)Â Â 363Â Â Â *(224)Â Â (28)Â Â (898)Â Â (1,232) Pretax (loss) incomeÂ Â (445)Â Â 364Â Â Â *(203)Â Â (28)Â Â (791)Â Â (1,103) Depreciation and amortizationÂ $136Â Â $12Â Â $79Â Â $-Â Â $-Â Â $227Â Purchase of property, plant & equipmentÂ $78Â Â $-Â Â $-Â Â $-Â Â $-Â Â $78Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 10: SEGMENT REPORTING (continued) Â The following table presents certain information regarding the Companyâ€™s segments as of and for the six months ended June 30, 2024 and 2023 (in thousands): Â 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $7,054Â Â $4,246Â Â $114Â Â $(147)Â $-Â Â $11,267Â Operating (loss) incomeÂ Â (2,173)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,638)Â Â (2,526) Pretax (loss) IncomeÂ Â (2,188)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,330)Â Â (2,233) Depreciation and amortizationÂ $283Â Â $24Â Â $-Â Â $-Â Â $-Â Â $307Â Purchase of property, plant & equipment Â $178Â Â $4Â Â $-Â Â $-Â Â $-Â Â $182Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â RevenueÂ $8,979Â Â $4,107Â Â $1,009Â Â $(331)Â $-Â Â $13,764Â Operating (loss) incomeÂ Â (267)Â Â 994Â Â Â (143)*Â Â (28)Â Â (1,976)Â Â (1,420) Pretax (loss) IncomeÂ Â (265)Â Â 996Â Â Â (95)*Â Â (28)Â Â (1750)Â Â (1,142) Depreciation and amortizationÂ $267Â Â $24Â Â $101Â Â $-Â Â $-Â Â $392Â Purchase of property, plant & equipmentÂ $215Â Â $10Â Â $-Â Â $-Â Â $-Â Â $225Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. 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 28 R17.htm IDEA: XBRL DOCUMENT v3.24.2.u1 MESOSCRIBE SUBSIDIARY 6 Months Ended Jun. 30, 2024 Discontinued Operations and Disposal Groups [Abstract] Â MESOSCRIBE SUBSIDIARY NOTE 11: MESOSCRIBE SUBSIDIARY Â On August 8, 2023, the Company entered into a Purchase and License Agreement (the â€œAgreementâ€) with a third-party. Pursuant to the Agreement, the Company will sell certain proprietary assets relating to its plasma spray technology and material deposition system and grant a non-exclusive license to use certain of the Companyâ€™s related intellectual property as more fully described in the Agreement, for an aggregate purchase price of $0.9 million. The purchase price is payable in several installments and contingent upon certain performance metrics and other milestones. Â The Company will continue to fulfill remaining orders for MesoScribe products through the end of 2024 at which time it plans to cease the remaining operations of MesoScribe and dispose of any remaining equipment. During the three and six months ended June 30, 2023, the Company recorded an impairment charge of $0.1 million for certain equipment of MesoScribe based on its decision to cease the remaining operations by the end of 2024. Â The Company received payments under the Agreement in the amount of $0.6Â million which has been reflected as â€œdeposit from purchaserâ€ in the accompanying consolidated balance sheet as of March 31, 2024 and December 31, 2023. The Company expects the transaction to be completed in 2024 with the acceptance of the equipment by the purchaser. Â The revenue and net loss were $55,000 and ($45,000), respectively, for the three months ended June 30, 2024 and $0.1 million and ($0.1) million, respectively, for the six months ended June 30, 2024. Â The total assets and total liabilities of the MesoScribe subsidiary were $0.2 million and $0.7 million, respectively, as of both June 30, 2024 and December 31, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_DiscontinuedOperationsAndDisposalGroupsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe 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. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205-20/tableOfContentReference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContent + Details Name: us-gaap_DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 29 R18.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Policies) 6 Months Ended Jun. 30, 2024 Accounting Policies [Abstract] Â Revenue Recognition Revenue Recognition Â In accordance with FASB ASC 606 - Revenue from Contracts with Customers (â€œASC 606â€), the Company records revenue in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services promised to its customers. Under ASC 606, the Company follows a five-step model to: (1) identify the contract with the customer; (2) identify the performance obligations in the contract; (3) determine the transaction price for the contract; (4) allocate the transaction price to the performance obligations; and (5) recognize revenue using one of the following two methods: Â Over time Â The Company designs, manufactures and sells custom chemical vapor deposition equipment through contractual agreements. These system sales require the Company to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. For systems sales that meet the criteria to recognize revenue over time, the Company recognizes revenue over time by using an input method based on costs incurred as it depicts the Companyâ€™s progress toward satisfaction of the performance obligation. For system sales that do not meet the criteria to recognize revenue over time based on the contract provisions, the Company recognizes revenue based on point in time as discussed below. Â Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work in process, and installed, as required by the projectâ€™s engineering design. Cost based input methods of revenue recognition require the Company to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known and can be reasonably estimated. There were no material impairment losses recognized on contract assets during the three and six months ended June 30, 2024 and 2023. Â The timing of revenue recognition, billings and collections results in accounts receivables, unbilled receivables or contract assets and contract liabilities on our consolidated balance sheet. Under typical payment terms for our contracts accounted for over time, amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Under ASC 606, payments received from customers in excess of revenue recognized to-date results in a contract liability. These contract liabilities are not considered to represent a significant financing component of the contract because we believe these cash advances and deposits are generally used to meet working capital demands which can be higher in the earlier stages of a contract. Also, advanced payments and deposits provide us with some measure of assurance that the customer will perform on its obligations under the contract. Â Contract assets include unbilled amounts typically resulting from system sales under contracts and represents revenue recognized that exceeds the amount billed to the customer. Â Contract liabilities include advance payments and billings in excess of revenue recognized. The Company typically receives down payments upon receipt of orders and progress payments as the system is manufactured. Â Contract assets and contract liabilities are classified as current as these contracts in progress are expected to be substantially completed within the next twelve months. Â Point in time Â For non-system sales of products and services, revenue is recognized at the point in time when control of the promised products or services is transferred to the Companyâ€™s customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those products or services (the transaction price). A performance obligation is a promise in a contract to transfer a distinct product or service to a customer and is the unit of account under ASC 606, â€œRevenue from Contracts with Customersâ€. Â For any system equipment sales where the equipment would have an alternative use or where the contract provisions of the contract preclude the use of over time revenue recognition, revenue is recognized at the point in time when control of the equipment is transferred to the customer. For the three and six months ended June 30, 2024 and 2023, all system equipment sales were recorded over time by using an input method except for one system equipment contract in the second quarter of 2023 where the revenue was to be recognized at the point in time when the equipment was transferred to the customer. Subsequent to June 30, 2023, this one system equipment contract was modified such that the revenue under this contract would be recognized over time using an input method based on the revised contract provisions and the fact that the equipment does not have an alternative use. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Inventories Inventories Â Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Work-in-process and finished goods inventory reflect all accumulated production costs, which are comprised of direct production costs and overhead, and is reduced by amounts recorded in cost of sales as the related revenue is recognized. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our cost of sales or work-in-process and finished goods inventory. Obsolete inventory or inventory in excess of managementâ€™s estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials and other qualitative factors. Unanticipated changes in demand for the Companyâ€™s products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made. Â Product Warranty Product Warranty Â The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in â€œCost of revenueâ€ in the condensed consolidated statements of operations. The estimated warranty cost is based on the Companyâ€™s historical cost. The Company updates its warranty estimates based on actual costs incurred. Â Recent Accounting Standards Recent Accounting Standards Â In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The amendments in this update expand annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. This update is effective for our annual report for fiscal year 2025, and interim periods thereafter, with early adoption permitted, and will be applied retrospectively to all prior periods presented in the financial statements. We are currently evaluating the impact of this ASU on our Consolidated Financial Statements and related disclosures. Â In December 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvement to Income Tax Disclosures. The amendments further enhance income tax disclosures, primarily through standardization and disaggregation of rate reconciliation categories and income taxes paid by jurisdiction. This ASU is effective for our annual report for fiscal year 2026, with early adoption permitted, and should be applied either prospectively or retrospectively. We are currently evaluating the timing of adoption and impact of this ASU on our Consolidated Financial Statements and related disclosures. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued) Â Â The Company believes there is no additional new accounting guidance adopted, but not yet effective, that is relevant to the readers of our financial statements. However, there are numerous new proposals under development which, if and when enacted, may have a significant impact on our financial reporting. 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 - 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 pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact. + ReferencesNo definition available. + Details Name: us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for revenue from contract with customer. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 17 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-17Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 19 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-19Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-18Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 20 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-20Reference 9: http://www.xbrl.org/2003/role/exampleRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (e) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 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_RevenueFromContractWithCustomerPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for standard warranties including the methodology for measuring the liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-8 + Details Name: us-gaap_StandardProductWarrantyPolicy Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 30 R19.htm IDEA: XBRL DOCUMENT v3.24.2.u1 REVENUE RECOGNITION (Tables) 6 Months Ended Jun. 30, 2024 Revenue from Contract with Customer [Abstract] Â SCHEDULE OF DISAGGREGATION OF REVENUE The following table represents a disaggregation of revenue for the three and six months ended June 30, 2024, and 2023 (in thousands): Â SCHEDULE OF DISAGGREGATION OF REVENUE Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $12Â Â $251Â AerospaceÂ Â 2,694Â Â Â 179Â Â Â 2,873Â IndustrialÂ Â 1,542Â Â Â 300Â Â Â 1,842Â ResearchÂ Â 1,174Â Â Â 205Â Â Â 1,379Â TotalÂ $5,649Â Â $696Â Â $6,345Â Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Three months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $760Â Â $38Â Â $798Â AerospaceÂ Â -Â Â Â 604Â Â Â 604Â IndustrialÂ Â 1,085Â Â Â 915Â Â Â 2,000Â ResearchÂ Â 1,184Â Â Â 483Â Â Â 1,667Â TotalÂ $3,029Â Â $2,040Â Â $5,069Â Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 4: REVENUE RECOGNITION (continued) Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2024Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $239Â Â $30Â Â $269Â AerospaceÂ Â 4,496Â Â Â 494Â Â Â 4,990Â IndustrialÂ Â 2,801Â Â Â 774Â Â Â 3,575Â ResearchÂ Â 2,035Â Â Â 398Â Â Â 2,433Â TotalÂ $9,571Â Â $1,696Â Â $11,267Â Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ Â Â Six months ended June 30, 2023Â Â Â Over timeÂ Â Point in timeÂ Â TotalÂ EnergyÂ $3,276Â Â $52Â Â $3,328Â AerospaceÂ Â 264Â Â Â 855Â Â Â 1,119Â IndustrialÂ Â 4,756Â Â Â 1,127Â Â Â 5,883Â ResearchÂ Â 2,456Â Â Â 978Â Â Â 3,434Â TotalÂ $10,752Â Â $3,012Â Â $13,764Â SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS Contract assets and contract liabilities on input method type contracts in progress are summarized as follows as of June 30, 2024 (in thousands): Â SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS Â Â Â Â Â Costs incurred on contracts in progressÂ $11,009Â Estimated earningsÂ Â 5,609Â Costs and estimated earnings on uncompleted contractsÂ Â 16,618Â Billings to dateÂ Â (19,589) Net cost in excess of billingsÂ Â (2,971) Â Â Â Â Â Deferred revenue related to non-system contractsÂ Â (573) Â Contract liability in excess of contract assets Â $(3,544) Included in accompanying condensed consolidated balance sheet as of June 30, 2024 under the following captions (in thousands):Â Â Â Â Contract assetsÂ $1,554Â Contract liabilitiesÂ $5,098Â Â Of the contract liability balances at December 31, 2023 and 2022 of $4.6 million and $4.1 million, respectively, $2.7 million and $2.6 million was recognized as revenue during the six months ended June 30, 2024 and 2023, respectively. Â X - DefinitionSchedule Of Cost And Estimated Earnings In Excess Of Billings [Table Text Block] + ReferencesNo definition available. + Details Name: CVV_ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsTableTextBlock Namespace Prefix: CVV_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration 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 31 R20.htm IDEA: XBRL DOCUMENT v3.24.2.u1 INVENTORIES (Tables) 6 Months Ended Jun. 30, 2024 Inventory Disclosure [Abstract] Â SCHEDULE OF INVENTORIES Â SCHEDULE OF INVENTORIES Inventories consist of:Â Â Â Â Â Â Â Â June 30, 2024Â Â December 31, 2023Â Â Â Â Â Â Â Â Raw materialsÂ $2,231Â Â $2,351Â Work-in-processÂ Â 1,612Â Â Â 1,248Â Finished goodsÂ Â 815Â Â Â 855Â TotalÂ $4,658Â Â $4,454Â 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 32 R21.htm IDEA: XBRL DOCUMENT v3.24.2.u1 EARNINGS PER SHARE (Tables) 6 Months Ended Jun. 30, 2024 Earnings Per Share [Abstract] Â SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING The calculation of basic and diluted weighted average common shares outstanding for the three and six months ended June 30, 2024 and 2023 is as follows: Â SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Basic weighted average common shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â Dilutive effect of options and unvested restricted stockÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Diluted weighted average shares outstandingÂ Â 6,816,956Â Â Â 6,778,754Â Â Â 6,813,127Â Â Â 6,776,035Â 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 33 R22.htm IDEA: XBRL DOCUMENT v3.24.2.u1 STOCK-BASED COMPENSATION EXPENSE (Tables) 6 Months Ended Jun. 30, 2024 Share-Based Payment Arrangement [Abstract] Â SCHEDULE OF STOCK BASED COMPENSATION EXPENSE Â SCHEDULE OF STOCK BASED COMPENSATION EXPENSE Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Three months ended June 30,Â Â Six months ended June 30,Â Â Â Â 2024Â Â 2023Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Cost of revenueÂ $38Â Â $41Â Â $76Â Â $60Â Research and developmentÂ Â 47Â Â Â 45Â Â Â 94Â Â Â 65Â SellingÂ Â 27Â Â Â 31Â Â Â 54Â Â Â 42Â General and administrativeÂ Â 155Â Â Â 145Â Â Â 310Â Â Â 230Â TotalÂ $267Â Â $262Â Â $534Â Â $397Â SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS Â SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS Stock priceÂ $4.75Â Exercise priceÂ $4.75Â Dividend yieldÂ Â 0% Expected volatilityÂ Â 77% Risk-free interest rateÂ Â 4.12% Expected life (in years)Â Â 6.00Â SCHEDULE OF STOCK OPTIONS AWARDS The following table summarizes stock options awards through June 30, 2024: Â SCHEDULE OF STOCK OPTIONS AWARDS Â Â Â Â Â WeightedÂ Â Â Stock OptionÂ Â AverageÂ Â Â AwardsÂ Â ExerciseÂ Â Â (in shares)Â Â PriceÂ Â Â Â Â Â Â Â Outstanding at January 1, 2024Â Â 846,875Â Â Â 8.20Â GrantedÂ Â 5,000Â Â Â 4.75Â ForfeitedÂ Â (13,750)Â Â 7.94Â Outstanding at June 30, 2024Â Â 838,125Â Â $8.18Â SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES The following table summarizes information about the outstanding and exercisable options at June 30, 2024 by ranges of exercise prices: Â SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES Â Â Options OutstandingÂ Â Options ExercisableÂ Â Â Â Â WeightedÂ Â WeightedÂ Â Â Â Â Â WeightedÂ Â Â ExerciseÂ Â Â AverageÂ AverageÂ Â Â Â Â Â Â AverageÂ Â Â PriceÂ NumberÂ Â RemainingÂ Â ExerciseÂ Â IntrinsicÂ Â NumberÂ Â ExerciseÂ Â IntrinsicÂ RangeÂ OutstandingÂ Â ContractualÂ Â PriceÂ Â ValueÂ Â ExercisableÂ Â PriceÂ Â ValueÂ $4.00-7.00Â Â 459,625Â Â Â 7.4Â Â $4.55Â Â $Â Â Â Â Â -Â Â Â 217,250Â Â $4.45Â Â $Â Â Â Â Â -Â $7.01-10.00Â Â 20,000Â Â Â 3.8Â Â $8.07Â Â $-Â Â Â 20,000Â Â $8.07Â Â $-Â $10.01-13.00Â Â 130,000Â Â Â 3.2Â Â $10.62Â Â $-Â Â Â 122,500Â Â $10.55Â Â $-Â $13.01-16.00Â Â 228,500Â Â Â 8.7Â Â $14.11Â Â $-Â Â Â 57,125Â Â $14.11Â Â $-Â X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (h)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of option exercise prices, by grouped ranges, including the upper and lower limits of the price range, the number of shares under option, weighted average exercise price and remaining contractual option terms. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock 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 X - DefinitionTabular disclosure of the significant assumptions used during the year to estimate the fair value of stock options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (f)(2) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 34 R23.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SEGMENT REPORTING (Tables) 6 Months Ended Jun. 30, 2024 Segment Reporting [Abstract] Â SCHEDULE OF SEGMENTS The following table presents certain information regarding the Companyâ€™s segments as of and for the three months ended June 30, 2024 and 2023 (in thousands): Â SCHEDULE OF SEGMENTS 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $29,368Â Â $4,310Â Â $222Â Â $(55)Â $-Â Â $33,845Â RevenueÂ $4,107Â Â $2,315Â Â $55Â Â $(132)Â $-Â Â $6,345Â Operating (loss) incomeÂ Â (729)Â Â 714Â Â Â (45)Â Â (8)Â Â (830)Â Â (898) Pretax (loss) incomeÂ Â (743)Â Â 714Â Â Â (45)Â Â (8)Â Â (679)Â Â (761) Depreciation and amortizationÂ $141Â Â $13Â Â $-Â Â $-Â Â $-Â Â $154Â Purchase of property, plant & equipmentÂ $101Â Â $4Â Â $-Â Â $-Â Â $-Â Â $105Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ AssetsÂ $32,139Â Â $4,189Â Â $483Â Â $(28)Â $-Â Â $36,783Â RevenueÂ $3,134Â Â $1,795Â Â $342Â Â $(202)Â $-Â Â $5,069Â Operating (loss) incomeÂ Â (445)Â Â 363Â Â Â *(224)Â Â (28)Â Â (898)Â Â (1,232) Pretax (loss) incomeÂ Â (445)Â Â 364Â Â Â *(203)Â Â (28)Â Â (791)Â Â (1,103) Depreciation and amortizationÂ $136Â Â $12Â Â $79Â Â $-Â Â $-Â Â $227Â Purchase of property, plant & equipmentÂ $78Â Â $-Â Â $-Â Â $-Â Â $-Â Â $78Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. Â Â Notes to Condensed Consolidated Financial Statements (Unaudited) Â NOTE 10: SEGMENT REPORTING (continued) Â The following table presents certain information regarding the Companyâ€™s segments as of and for the six months ended June 30, 2024 and 2023 (in thousands): Â 2024 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ RevenueÂ $7,054Â Â $4,246Â Â $114Â Â $(147)Â $-Â Â $11,267Â Operating (loss) incomeÂ Â (2,173)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,638)Â Â (2,526) Pretax (loss) IncomeÂ Â (2,188)Â Â 1,346Â Â Â (71)Â Â 10Â Â Â (1,330)Â Â (2,233) Depreciation and amortizationÂ $283Â Â $24Â Â $-Â Â $-Â Â $-Â Â $307Â Purchase of property, plant & equipment Â $178Â Â $4Â Â $-Â Â $-Â Â $-Â Â $182Â Â 2023 Â Â Â CVD EquipmentÂ Â SDCÂ Â CVD MaterialsÂ Â EliminationsÂ Â CorporateÂ Â ConsolidatedÂ RevenueÂ $8,979Â Â $4,107Â Â $1,009Â Â $(331)Â $-Â Â $13,764Â Operating (loss) incomeÂ Â (267)Â Â 994Â Â Â (143)*Â Â (28)Â Â (1,976)Â Â (1,420) Pretax (loss) IncomeÂ Â (265)Â Â 996Â Â Â (95)*Â Â (28)Â Â (1750)Â Â (1,142) Depreciation and amortizationÂ $267Â Â $24Â Â $101Â Â $-Â Â $-Â Â $392Â Purchase of property, plant & equipmentÂ $215Â Â $10Â Â $-Â Â $-Â Â $-Â Â $225Â Â *Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. X - DefinitionTabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 280 -SubTopic 10 -Section 50 -Paragraph 30 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30 + Details Name: us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 35 R24.htm IDEA: XBRL DOCUMENT v3.24.2.u1 BASIS OF PRESENTATION (Details Narrative) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Accounting Policies [Abstract] Â Â Cash and cash equivalents $ 10,031 $ 14,025 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 XML 36 R25.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Details Narrative) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Accounting Policies [Abstract] Â Â Â Â Contract assets, impairment loss $ 0 $ 0 $ 0 $ 0 Standard product warranty description Â Â The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in â€œCost of revenueâ€ in the condensed consolidated statements of operations. The estimated warranty cost is based on the Companyâ€™s historical cost. The Company updates its warranty estimates based on actual costs incurred. 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 - DefinitionAmount of impairment loss for asset recognized from cost incurred to obtain or fulfill contract with customer. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 340 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-3 + Details Name: us-gaap_CapitalizedContractCostImpairmentLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDescribes the nature of the product warranty, including the approximate term of the product warranty, how the product warranty arose, and the events or circumstances that would require the warrantor to perform under the product warranty. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 460 -SubTopic 10 -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-4Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 460 -SubTopic 10 -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-8 + Details Name: us-gaap_StandardProductWarrantyDescription Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 37 R26.htm IDEA: XBRL DOCUMENT v3.24.2.u1 CONCENTRATION OF CREDIT RISK (Details Narrative) - USD ($) 3 Months Ended 6 Months Ended 12 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Concentration Risk [Line Items] Â Â Â Â Â Cash and cash equivalents $ 10,031,000 Â $ 10,031,000 Â $ 14,025,000 Uninsured amount 100,000 Â 100,000 Â 1,500,000 Allowance for doubtful accounts $ 36,000 Â $ 36,000 Â $ 36,000 Accounts Receivable [Member] | One Customer [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â 35.70% Â 37.60% Accounts Receivable [Member] | Two Customers [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â 10.50% Â 13.00% Accounts Receivable [Member] | Three Customers [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â Â Â Â 12.80% Revenue Benchmark [Member] | One Customer [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage 35.20% 16.10% 32.80% 21.00% Â Revenue Benchmark [Member] | Two Customers [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â 15.60% Â 15.80% Â Revenue Benchmark [Member] | Three Customers [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â 11.00% Â Â Â Revenue Benchmark [Member] | Four Customers [Member] | Customer Concentration Risk [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Concentration risk, percentage Â 10.20% Â Â Â US Treasury Bill Securities [Member] Â Â Â Â Â Concentration Risk [Line Items] Â Â Â Â Â Cash equivalents $ 9,800,000 Â $ 9,800,000 Â $ 12,100,000 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 - 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 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/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://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-S99-1 + Details Name: us-gaap_CashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionThe amount of cash as of the balance sheet date that is not insured by the Federal Deposit Insurance Corporation. + ReferencesNo definition available. + Details Name: us-gaap_CashUninsuredAmount 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 954 -SubTopic 310 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478785/954-310-50-2 + Details Name: us-gaap_ConcentrationRiskLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionFor an entity that discloses a concentration risk in relation to quantitative amount, which serves as the "benchmark" (or denominator) in the equation, this concept represents the concentration percentage derived from the division. + ReferencesReference 1: 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 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 21 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-21Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 825 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-20Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 18 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-18Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 20 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-20 + Details Name: us-gaap_ConcentrationRiskPercentage1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_AccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=CVV_OneCustomerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByTypeAxis=us-gaap_CustomerConcentrationRiskMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=CVV_TwoCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=CVV_ThreeCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=CVV_FourCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CashAndCashEquivalentsAxis=us-gaap_USTreasuryBillSecuritiesMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 38 R27.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF DISAGGREGATION OF REVENUE (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Disaggregation of Revenue [Line Items] Â Â Â Â Total $ 6,345 $ 5,069 $ 11,267 $ 13,764 Energy [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 251 798 269 3,328 Aerospace [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 2,873 604 4,990 1,119 Industrial [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 1,842 2,000 3,575 5,883 Research [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 1,379 1,667 2,433 3,434 Transferred over Time [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 5,649 3,029 9,571 10,752 Transferred over Time [Member] | Energy [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 239 760 239 3,276 Transferred over Time [Member] | Aerospace [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 2,694 4,496 264 Transferred over Time [Member] | Industrial [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 1,542 1,085 2,801 4,756 Transferred over Time [Member] | Research [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 1,174 1,184 2,035 2,456 Transferred at Point in Time [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 696 2,040 1,696 3,012 Transferred at Point in Time [Member] | Energy [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 12 38 30 52 Transferred at Point in Time [Member] | Aerospace [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 179 604 494 855 Transferred at Point in Time [Member] | Industrial [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total 300 915 774 1,127 Transferred at Point in Time [Member] | Research [Member] Â Â Â Â Disaggregation of Revenue [Line Items] Â Â Â Â Total $ 205 $ 483 $ 398 $ 978 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, including 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_RevenueFromContractWithCustomerIncludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=CVV_EnergyMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=CVV_AerospaceMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=CVV_IndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=CVV_ResearchOneMember 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: us-gaap_TimingOfTransferOfGoodOrServiceAxis=us-gaap_TransferredAtPointInTimeMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 39 R28.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Revenue from Contract with Customer [Abstract] Â Â Costs incurred on contracts in progress $ 11,009 Â Estimated earnings 5,609 Â Costs and estimated earnings on uncompleted contracts 16,618 Â Billings to date (19,589) Â Net cost in excess of billings (2,971) Â Deferred revenue related to non-system contracts (573) Â Contract liability in excess of contract assets (3,544) Â Contract assets 1,554 $ 1,604 Contract liabilities $ 5,098 $ 4,908 X - DefinitionBillings to date. + ReferencesNo definition available. + Details Name: CVV_BillingsToDate Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionContract liability in excess of contract assets. + ReferencesNo definition available. + Details Name: CVV_ContractLiabilityInExcessOfContractAssets Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCosts and estimated earnings on uncompleted contracts. + ReferencesNo definition available. + Details Name: CVV_CostsAndEstimatedEarningsOnUncompletedContracts Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCosts incurred on uncompleted contracts. + ReferencesNo definition available. + Details Name:

CVV_CostsIncurredOnUncompletedContracts Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionDeferred revenues related to contracts. + ReferencesNo definition available. + Details Name: CVV_DeferredRevenuesRelatedToContracts Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionEstimated earnings. + ReferencesNo definition available. + Details Name: CVV_EstimatedEarnings Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionNet cost in excess of billings. + ReferencesNo definition available. + Details Name: CVV_NetCostInExcessOfBillings Namespace Prefix: CVV_ 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 - ReferencesNo definition available. + Details Name: us-gaap_RevenueFromContractWithCustomerAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 40 R29.htm IDEA: XBRL DOCUMENT v3.24.2.u1 REVENUE RECOGNITION (Details Narrative) - USD ($) $ in Millions 6 Months Ended 12 Months Ended Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Dec. 31, 2022 Revenue from Contract with Customer [Abstract] Â Â Â Â Unrecognized contract revenue $ 21.6 Â Â Â Contract liability $ 2.7 $ 2.6 $ 4.6 $ 4.1 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 X - DefinitionAmount of transaction price allocated to performance obligation that has not been recognized as revenue. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -SubTopic 10 -Topic 606 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-13 + Details Name: us-gaap_RevenueRemainingPerformanceObligation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 41 R30.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF INVENTORIES (Details) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â Raw materials $ 2,231 $ 2,351 Work-in-process 1,612 1,248 Finished goods 815 855 Total $ 4,658 $ 4,454 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 - 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 before valuation and LIFO reserves of raw materials expected to be sold, or consumed 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)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_InventoryRawMaterials 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 42 R31.htm IDEA: XBRL DOCUMENT v3.24.2.u1 INVENTORIES (Details Narrative) - USD ($) $ in Thousands Jun. 30, 2024 Dec. 31, 2023 Inventory [Line Items] Â Â Inventories $ 4,658 $ 4,454 PVT 150 Systems [Member] Â Â Inventory [Line Items] Â Â Inventories $ 1,800 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. + ReferencesNo definition available. + Details Name: us-gaap_InventoryLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration 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 - Details Name: us-gaap_PublicUtilitiesInventoryAxis=CVV_PVTOneFiftySystemsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 43 R32.htm IDEA: XBRL DOCUMENT v3.24.2.u1 LONG-TERM DEBT (Details Narrative) - Loan Agreement to Fund Machinery Acquisition [Member] 1 Months Ended Sep. 30, 2022 USD ($) Collaborative Arrangement and Arrangement Other than Collaborative [Line Items] Â Loan principal amount $ 432,000 Loan payment term 60 Loan, monthly installment amount $ 8,352 Loan interest rate 6.00% 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 - DefinitionFace (par) amount of debt instrument at time of issuance. + 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/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 3: 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 4: 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 5: 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 6: 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_DebtInstrumentFaceAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDescription of the frequency of periodic payments (monthly, quarterly, annual). + 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 -Name Accounting Standards Codification -Topic 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentFrequencyOfPeriodicPayment Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionContractual interest rate for funds borrowed, under the debt agreement. + 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(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: 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/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentInterestRateStatedPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionAmount of the required periodic payments including both interest and principal payments. + 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 -Name Accounting Standards Codification -Topic 942 -SubTopic 470 -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentPeriodicPayment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - Details Name: us-gaap_TypeOfArrangementAxis=CVV_LoanAgreementToFundMachineryAcquisitionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 44 R33.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING (Details) - shares 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Earnings Per Share [Abstract] Â Â Â Â Basic weighted average common shares outstanding 6,816,956 6,778,754 6,813,127 6,776,035 Dilutive effect of options and unvested restricted stock Diluted weighted average shares outstanding 6,816,956 6,778,754 6,813,127 6,776,035 X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAdditional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480454/718-10-45-1Reference 2: 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 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-22Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 23 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-23Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-28A + Details Name: us-gaap_IncrementalCommonSharesAttributableToShareBasedPaymentArrangements Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType 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 - 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 45 R34.htm IDEA: XBRL DOCUMENT v3.24.2.u1 EARNINGS PER SHARE (Details Narrative) - shares Jun. 30, 2024 Dec. 31, 2023 Jun. 30, 2023 Earnings Per Share [Abstract] Â Â Â Stock option outstanding 838,125 846,875 599,500 Stock option exercisable 416,875 Â 297,500 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 number of shares into which fully or partially vested stock options outstanding as of the balance sheet date can be currently converted under the option plan. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of options outstanding, including both vested and non-vested options. + ReferencesReference 1: 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 2: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant XML 46 R35.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF STOCK BASED COMPENSATION EXPENSE (Details) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Â Â Â Â Total $ 267 $ 262 $ 534 $ 397 Cost of Revenue [Member] Â Â Â Â Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Â Â Â Â Total 38 41 76 60 Research and Development Expense [Member] Â Â Â Â Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Â Â Â Â Total 47 45 94 65 Selling Expense [Member] Â Â Â Â Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Â Â Â Â Total 27 31 54 42 General and Administrative Expense [Member] Â Â Â Â Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Â Â Â Â Total $ 155 $ 145 $ 310 $ 230 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 - 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_EmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_IncomeStatementLocationAxis=CVV_CostOfRevenueMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=CVV_SellingExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_GeneralAndAdministrativeExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R36.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS (Details) 6 Months Ended Jun. 30, 2024 $ / shares Share-Based Payment Arrangement [Abstract] Â Stock price $ 4.75 Exercise price $ 4.75 Dividend yield 0.00% Expected volatility 77.00% Risk-free interest rate 4.12% Expected life (in years) 6 years X - ReferencesNo definition available. + Details Name: us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAgreed-upon price for the exchange of the underlying asset relating to the share-based payment award. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe estimated dividend rate (a percentage of the share price) to be paid (expected dividends) to holders of the underlying shares over the option's term. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe estimated measure of the percentage by which a share price is expected to fluctuate during a period. Volatility also may be defined as a probability-weighted measure of the dispersion of returns about the mean. The volatility of a share price is the standard deviation of the continuously compounded rates of return on the share over a specified period. That is the same as the standard deviation of the differences in the natural logarithms of the stock prices plus dividends, if any, over the period. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedVolatilityRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionThe risk-free interest rate assumption that is used in valuing an option on its own shares. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsRiskFreeInterestRate Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration 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 - DefinitionExpected term of award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardFairValueAssumptionsExpectedTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration XML 48 R37.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF STOCK OPTIONS AWARDS (Details) 6 Months Ended Jun. 30, 2024 $ / shares shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Â Stock option awards outstanding, beginning balance | shares 846,875 Stock option awards, granted | shares 5,000 Stock option awards, forfeited | shares (13,750) Stock option awards outstanding, ending balance | shares 838,125 Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Â Weighted average exercise price outstanding, beginning balance | $ / shares $ 8.20 Weighted average exercise price, granted | $ / shares 4.75 Weighted average exercise price, forfeited | $ / shares 7.94 Weighted average exercise price outstanding, ending balance | $ / shares $ 8.18 X - DefinitionThe number of shares under options that were cancelled during the reporting period as a result of occurrence of a terminating event specified in contractual agreements pertaining to the stock option plan. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of options outstanding, including both vested and non-vested options. + ReferencesReference 1: 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 2: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionA roll forward is a reconciliation of a concept from the beginning of a period to the end of a period. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees can acquire the shares reserved for issuance under the stock option plan. + ReferencesReference 1: 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 2: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionWeighted average price at which grantees could have acquired the underlying shares with respect to stock options that were terminated. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration XML 49 R38.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES (Details) 6 Months Ended Jun. 30, 2024 USD ($) $ / shares shares Exercise Price Range One [Member] Â Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Â Exercise price range, lower limit $ 4.00 Exercise price range, upper limit $ 7.00 Number of options outstanding | shares 459,625 Number of options outstanding, weighted average remaining contractual term 7 years 4 months 24 days Number of options outstanding, weighted average exercise price $ 4.55 Number of options outstanding, intrinsic value | $ Number of options exercisable | shares 217,250 Number of options exercisable, weighted average exercise price $ 4.45 Number of options exercisable, intrinsic value | $ Exercise Price Range Two [Member] Â Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Â Exercise price range, lower limit $ 7.01 Exercise price range, upper limit $ 10.00 Number of options outstanding | shares 20,000 Number of options outstanding, weighted average remaining contractual term 3 years 9 months 18 days Number of options outstanding, weighted average exercise price $ 8.07 Number of options outstanding, intrinsic value | $ Number of options exercisable | shares 20,000 Number of options exercisable, weighted average exercise price $ 8.07 Number of options exercisable, intrinsic value | $ Exercise Price Range Three [Member] Â Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Â Exercise price range, lower limit $ 10.01 Exercise price range, upper limit $ 13.00 Number of options outstanding | shares 130,000 Number of options outstanding, weighted average remaining contractual term 3 years 2 months 12 days Number of options outstanding, weighted average exercise price $ 10.62 Number of options outstanding, intrinsic value | $ Number of options exercisable | shares 122,500 Number of options exercisable, weighted average exercise price $ 10.55 Number of options exercisable, intrinsic value | $ Exercise Price Range Four [Member] Â Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Â Exercise price range, lower limit $ 13.01 Exercise price range, upper limit $ 16.00 Number of options outstanding | shares 228,500 Number of options outstanding, weighted average remaining contractual term 8 years 8 months 12 days Number of options outstanding, weighted average exercise price $ 14.11 Number of options outstanding, intrinsic value | $ Number of options exercisable | shares 57,125 Number of options exercisable, weighted average exercise price $ 14.11 Number of options exercisable, intrinsic value | $ X - DefinitionAmount by which the current fair value of the underlying stock exceeds the exercise price of options outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue 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. + ReferencesNo definition available. + Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe floor of a customized range of exercise prices for purposes of disclosing shares potentially issuable under outstanding stock option awards on all stock option plans and other required information pertaining to awards in the customized range. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe number of shares reserved for issuance pertaining to the outstanding exercisable stock options as of the balance sheet date in the customized range of exercise prices for which the market and performance vesting condition has been satisfied. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (c)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfExercisableOptions Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe number of shares reserved for issuance pertaining to the outstanding stock options as of the balance sheet date for all option plans in the customized range of exercise prices. + 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)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfOutstandingOptions Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionThe ceiling of a customized range of exercise prices for purposes of disclosing shares potentially issuable under outstanding stock option awards on all stock option plans and other required information pertaining to awards in the customized range. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionAmount of difference between fair value of the underlying shares reserved for issuance and exercise price of vested portions of options outstanding and currently exercisable. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1 Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionWeighted average exercise price as of the balance sheet date for those equity-based payment arrangements exercisable and outstanding. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 10 -Section 50 -Paragraph 2 -Subparagraph (c)(1)(iii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeExercisableOptionsWeightedAverageExercisePrice1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe weighted average price as of the balance sheet date at which grantees could acquire the underlying shares with respect to all outstanding stock options which are in the customized range of exercise prices. + 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)(ii) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c)(1)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageExercisePriceBeginningBalance1 Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining contractual term of outstanding stock options, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 718 -SubTopic 10 -Subparagraph (e)(1) -Name Accounting Standards Codification -Paragraph 2 -Section 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis=CVV_ExercisePriceRangeOneMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis=CVV_ExercisePriceRangeTwoMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis=CVV_ExercisePriceRangeThreeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis=CVV_ExercisePriceRangeFourMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 50 R39.htm IDEA: XBRL DOCUMENT v3.24.2.u1 STOCK-BASED COMPENSATION EXPENSE (Details Narrative) - USD ($) 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Stock based compensation expenses $ 267,000 $ 262,000 $ 534,000 $ 397,000 Stock option granted Â Â 5,000 Â Weighted average fair value of stock options granted Â Â $ 4.75 Â Directors [Member] Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Annual equity retainer amount 40,000 Â $ 40,000 Â Restricted Stock [Member] | Director [Member] Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Stock based compensation expenses 57,423 $ 40,000 $ 103,736 $ 80,000 Share-Based Payment Arrangement, Option [Member] Â Â Â Â Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â Â Â Â Stock option granted Â Â 5,000 Â Stock option vesting percentage Â Â 25.00% Â Vesting period Â Â 4 years Â Expiration period Â Â 10 years Â Weighted average fair value of stock options granted Â Â $ 3.30 Â Unrecognized compensation costs $ 2,000,000.0 Â $ 2,000,000.0 Â Unrecognized compensation costs, recoginition period Â Â 1 year 9 months 18 days Â X - DefinitionShare based payment arrangement annual equity retainer amount. + ReferencesNo definition available. + Details Name: CVV_SharebasedPaymentArrangementAnnualEquityRetainerAmount Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant 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 - 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 - DefinitionWeighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + 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_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionPeriod over which grantee's right to exercise award under share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. Includes, but is not limited to, combination of market, performance or service condition. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardAwardVestingPeriod1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType 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 - DefinitionGross number of share options (or share units) granted during the period. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionWeighted average per share amount at which grantees can acquire shares of common stock by exercise of options. + ReferencesReference 1: 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/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionPercentage of vesting of award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardAwardVestingRightsPercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionPeriod from grant date that an equity-based award expires, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480429/718-10-50-2 + Details Name: us-gaap_SharebasedCompensationArrangementBySharebasedPaymentAwardExpirationPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - Details Name: srt_TitleOfIndividualAxis=CVV_DirectorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=srt_DirectorMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_EmployeeStockOptionMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R40.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF SEGMENTS (Details) - USD ($) 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Dec. 31, 2023 Segment Reporting Information [Line Items] Â Â Â Â Â Assets $ 33,845,000 $ 36,783,000 $ 33,845,000 $ 36,783,000 $ 35,025,000 Revenue 6,345,000 5,069,000 11,267,000 13,764,000 Â Operating (loss) income (898,000) (1,232,000) (2,526,000) (1,420,000) Â Pretax (loss) income (761,000) (1,103,000) (2,233,000) (1,142,000) Â Depreciation and amortization 154,000 227,000 307,000 392,000 Â Purchase of property, plant & equipment 105,000 78,000 182,000 225,000 Â Operating Segments [Member] | CVD Equipment [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Assets 29,368,000 32,139,000 29,368,000 32,139,000 Â Revenue 4,107,000 3,134,000 7,054,000 8,979,000 Â Operating (loss) income (729,000) (445,000) (2,173,000) (267,000) Â Pretax (loss) income (743,000) (445,000) (2,188,000) (265,000) Â Depreciation and amortization 141,000 136,000 283,000 267,000 Â Purchase of property, plant & equipment 101,000 78,000 178,000 215,000 Â Operating Segments [Member] | SDC [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Assets 4,310,000 4,189,000 4,310,000 4,189,000 Â Revenue 2,315,000 1,795,000 4,246,000 4,107,000 Â Operating (loss) income 714,000 363,000 1,346,000 994,000 Â Pretax (loss) income 714,000 364,000 1,346,000 996,000 Â Depreciation and amortization 13,000 12,000 24,000 24,000 Â Purchase of property, plant & equipment 4,000 4,000 10,000 Â Operating Segments [Member] | CVD Materials [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Assets 222,000 483,000 222,000 483,000 Â Revenue 55,000 342,000 114,000 1,009,000 Â Operating (loss) income (45,000) (224,000) [1] (71,000) (143,000) [2] Â Pretax (loss) income (45,000) (203,000) [1] (71,000) (95,000) [2] Â Depreciation and amortization 79,000 101,000 Â Purchase of property, plant & equipment Â Intersegment Eliminations [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Assets (55,000) (28,000) (55,000) (28,000) Â Revenue (132,000) (202,000) (147,000) (331,000) Â Operating (loss) income (8,000) (28,000) 10,000 (28,000) Â Pretax (loss) income (8,000) (28,000) 10,000 (28,000) Â Depreciation and amortization Â Purchase of property, plant & equipment Â Intersegment Eliminations [Member] | CVD Equipment [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Revenue (132,000) (138,000) (147,000) (266,000) Â Intersegment Eliminations [Member] | SDC [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Revenue 0 64,000 0 64,000 Â Segment Reporting, Reconciling Item, Corporate Nonsegment [Member] Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Assets Â Revenue Â Operating (loss) income (830,000) (898,000) (1,638,000) (1,976,000) Â Pretax (loss) income (679,000) (791,000) (1,330,000) (1,750,000) Â Depreciation and amortization Â Purchase of property, plant & equipment Â [1] Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. [2] Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million. 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 - DefinitionThe current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production. + 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_DepreciationAndAmortization Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest. + 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 - 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, 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 - DefinitionAmount of expenditure for addition to long-lived assets included in determination of segment assets by chief operating decision maker (CODM) or otherwise regularly provided to CODM. Excludes expenditure for addition to financial instrument, long-term customer relationship of financial institution, mortgage and other servicing rights, deferred policy acquisition cost, and deferred tax assets. + 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://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-25 + Details Name: us-gaap_SegmentExpenditureAdditionToLongLivedAssets 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_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=us-gaap_OperatingSegmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=CVV_CVDEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=CVV_SDCMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=CVV_CVDMaterialsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_IntersegmentEliminationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_CorporateNonSegmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 52 R41.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SCHEDULE OF SEGMENTS (Details) (Parenthetical) - USD ($) $ in Thousands 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Asset impairment charges $ 111 $ 111 Meso Scribe Technologies Inc [Member] Â Â Â Â Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Asset impairment charges Â 100 Â 100 Tantaline Subsidiary [Member] Â Â Â Â Defined Benefit Plan Disclosure [Line Items] Â Â Â Â Loss on sale of assets Â $ 200 Â $ 200 X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + 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 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges 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_DefinedBenefitPlanDisclosureLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na 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 - Details Name: srt_ConsolidatedEntitiesAxis=CVV_MesoScribeTechnologiesIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=CVV_TantalineSubsidiaryMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R42.htm IDEA: XBRL DOCUMENT v3.24.2.u1 SEGMENT REPORTING (Details Narrative) 3 Months Ended 6 Months Ended Jun. 30, 2024 USD ($) Jun. 30, 2023 USD ($) Jun. 30, 2024 USD ($) Segment Jun. 30, 2023 USD ($) Segment Reporting Information [Line Items] Â Â Â Â Number of operating segments | Segment Â Â 3 Â Revenue from contract with customer, including assessed tax $ 6,345,000 $ 5,069,000 $ 11,267,000 $ 13,764,000 Intersegment Eliminations [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenue from contract with customer, including assessed tax (132,000) (202,000) (147,000) (331,000) Intersegment Eliminations [Member] | CVD Equipment [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenue from contract with customer, including assessed tax (132,000) (138,000) (147,000) (266,000) Intersegment Eliminations [Member] | SDC [Member] Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Revenue from contract with customer, including assessed tax $ 0 $ 64,000 $ 0 $ 64,000 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 - 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_SegmentReportingInformationLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ConsolidationItemsAxis=us-gaap_IntersegmentEliminationMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=CVV_CVDEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=CVV_SDCMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R43.htm IDEA: XBRL DOCUMENT v3.24.2.u1 MESOSCRIBE SUBSIDIARY (Details Narrative) - USD ($) 3 Months Ended 6 Months Ended Jun. 30, 2024 Jun. 30, 2023 Jun. 30, 2024 Jun. 30, 2023 Mar. 31, 2024 Dec. 31, 2023 Aug. 08, 2023 Asset impairment charges $ 111,000 $ 111,000 Â Â Â Deposits from purchaser of equipment 597,000 Â 597,000 Â Â $ 597,000 Â Revenues 6,345,000 5,069,000 11,267,000 13,764,000 Â Â Â Net loss (761,000) (1,113,000) (2,233,000) (1,153,000) Â Â Â Assets 33,845,000 36,783,000 33,845,000 36,783,000 Â 35,025,000 Â Liabilities 9,341,000 Â 9,341,000 Â Â 8,822,000 Â Meso Scribe Technologies Inc [Member] Â Â Â Â Â Â Â Aggregate purchase price Â Â Â Â Â Â $ 900,000 Asset impairment charges Â $ 100,000 Â $ 100,000 Â Â Â Deposits from purchaser of equipment Â Â Â Â $ 600,000 600,000 Â Revenues 55,000 Â 100,000 Â Â Â Â Net loss (45,000) Â (100,000) Â Â Â Â Assets 200,000 Â 200,000 Â Â 200,000 Â Liabilities $ 700,000 Â $ 700,000 Â Â $ 700,000 Â X - DefinitionDeposits from purchaser of MesoScribe assets. + ReferencesNo definition available. + Details Name: CVV_DepositsFromPurchaserOfMesoscribeAssets Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSale of proprietary assets and license certain propriety information aggregate purchase price. + ReferencesNo definition available. + Details Name: CVV_SaleOfProprietaryAssetsAndLicenseCertainProprietyInformationAggregatePurchasePrice Namespace Prefix: CVV_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill. + 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 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-4 + Details Name: us-gaap_AssetImpairmentCharges Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration 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: 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-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, 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: srt_ConsolidatedEntitiesAxis=CVV_MesoScribeTechnologiesIncMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 55 Financial_Report.xlsx IDEA: XBRL DOCUMENT
begin 644 Financial_Report.xlsx M4$L#!!0 (!. #5D'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\IQO;=!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 " 3@ U96/]!#NX K @ $0 &1O8U!R;W!S+V-O&ULS9+! M:L,P#(9?9?B>R$E&&2-I:.G#@8K;.QF;+4UBV-C:R1]^SE>FS*V!]C1TI]/ MGT"M\D*Y@,_!>0Q-@;-D1&#ZL4(G+MC!W\CYFT5CI^@$<<1G6,@*\$*S!"RP CUJH1VL> DONIA=Z8VOI M'T\7AQRTA\VA9X#D0ZYVDH%QT=D%5UWBEJIQ$W,SYZNJZ83PA2/%H1PPV?C#^\:T==Z2Y&ML8H&L)6,E^S'K4&I'2OG*:2N)X$BIV%%H-;&#CN&V/U@F/+-Y7W/4CW.HPV5N>>*ZZOE_\!)GK9AUO7TM]+2UMCM7MEU^2]ZB0;>K>6%7E*K(5_QO_M%DJC>,#CK)
NJ%F*M_8G,'V"4Y1;.DQG$LQR;GT@X5O#WM7O*ZA1DB MR4%A^A6-H+/'-;M.?FTVC_LMZVI>WQ?\H:B:?O<^N/_QNPM9I621A'^_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(]ZMOFCU7 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'[!?8J*@!&K8KZZKT_Y)9P[M'OQ@2";_-;;I/;=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$L#!!0 (M !. #5E>"? P\04)P? 8 >&PO=V]R:W-H965T&UL MM9EK;]LV%
(:_]U<0WC"T0!V95'Q)EQAPE*3SUB9.G&;HAGU@)-H6*HD>127Q MO]^A9$MN0!U[0NT/MF[G-1\>7EZ1I\]2?4L70FCR$D=)>M9::+W\X#BIOQ Q M3X_D4B1P9R95S#6*8J]6YB.3S68NV-A? NPOE"FPO.\'3)YV(J])?E1,&94ZH$82R2-)0)46)V MUAK1#Y[KFH#\B8=0/*=;Q\2@/$KYS9R,@[-6QY1(1,+71H+#SY/P1!09)2C' MOVO15OF?)G#[>*-^E<,#S"-/A2>C/\- +\Y:@Q8)Q(QGD;Z3S[^)-5#7Z/DR M2O-O\EP\>WS<(GZ6:AFO@Z$$<9@4O_QE71%; :Q?$\#6 >Q5 *W[!W<=D->< M4Y0LQ[K@F@]/E7PFRCP-:N8@KYL\&FC"Q*1QJA7<#2%.#SWY)!1IDY^)0] (% M5R(]=33HFKN.O]8X+S18C4:/?):)7J3D,@E$\'V\ ^4I"\4VA3IGJ.#O67)$ MW,Y[PCKLV%(>#P\?9?,C0EU;^'?%$O/]%>YU<;W@\2^P[VN(0)QM2'%]+/H)MJI;:J\-"PAE"]$JJW M7YYN,ZZT4-&*W(FE5-K&ATMIE5GQT*B&>/T2K[]G,U0& M-00 6?+Z_OB7=S-[FY&]V/ M;ZZMT(^ M5. ,+FV\A_",]'*-%'/B=6=ERN'!+2*%Q:<0]AG6CEG2AN=U[CEFU[HN13F/CV?..:->WZ M$!Z*51Z*X;;G->A$IAKR\E>XK.V^.Q0I[3/KH(7'-26MG!3;X:1R3B5X/1@N M\+;GTG=6L$,X)U8Y)X:;GD\RM_<+F6#.:8?(R8"V^YV!U1GBH4WY*NO$<,=S M'VKPA')&*'O[^(Y,A9\IR*4532]& MUH4N/+ I8>6)V%Z>:/.^5BR9Y)F$JIQSN$V7$K ML^/NM4Q4S.3%+ [N/-_(S>9!O.:F/G32OR#;,RZ'@JU;JYF]FR?AKW!@ [< MP:GS9$/9,$NX!:L5KU#M;16H<]2A96G6Q?ZA M]L;9VO\T/2O?%DZ);Q8

BJW0\FJY]3S*-UR=ZO%BW_HS-QTS)9&806CGJ \U MJXJMX.)$RV6^F_HHM99Q?K@0/!#*/ #W9U+JS8GY@W)#?O@?4$L#!!0 (M !. #5F[3A_)< 4 &@5 8 >&PO=V]R:W-H965T&UL
MK5AM;]LV$/XKA!L4+>#$(O5B*7$,M F&=5BWH&FWS[1$1T0E424I]FOWU%6 M)5NBY!3(A\24='=\[GB\Y\C5HY#?5;E8J#AE.547HF0% M?-D*F5,-C_)AH4K):%
(KY=F".$ZPR"DO9NM5_>Y.KE>BTADOV)U$JLIS*I_ MLDP\7L_P[.>++_PAU>;%8KTJZ0.[9_I;>2?A:=%:27C."L5%@23;7L\^X,L; M$AB%6N(?SA[5P1@95S9"?#S\
(92MB65IG^(AY_9XU#OK$7BTS5_]%C M(^O,4%PI+?)&&1#DO-C_TJ:F"VRBXM:-[9+5;MU33]4J* M1R2--%@S@SHVM39XPPNSC/=:PE<.>GI](XH$%H4E"$9*9#RA&AX^THP6,4/W MQK!"
[[X5M$HX?'F/SM&W^UOT[NP].D.\0%]342E:)&JUT(#'6%W$S=P?]W.3 MD;G_J(H+Y#IS1!SB6=1OIM5O60SJN%9WC]47$(4V%*0-!:GMN6.AJ*1DA494 M*?#9YLY>W[/KFPUWJ4H:L^L9["C%Y([-UF_?X,"YLCGW2L:.7'5;5]TIZ^L; MJE($BX9B,V _*KZC&?AN]7IO:EF;.E5AM\.X^+58G?HCD7*P^^*T/_G2L1:$E5*N)O/*'T_J^U\-F$0HZN @7K>@_9 $?#'"..U]\E-BDCV:@?S=M/QFF9 M8V '%(E?L-P3P/!@4M<-/;^/S2+FCY9(W-$6?AEO99QN>.;UR&;&K\I>KV7M MV.>.O_ T@;7$4-)GPPI6AUU;Q>PGLTV*..[(HG3$A4\REZR@D6)/I6FO["MB
MH9NEVRV5JE@+&LZ5L(G:*G)&NB$*UDGC2'53!0/YYK)'%KAC;5#X"$/A7VJ MLLF,U#/<416>YJJ61T_E^9"0?"<:% H+;47.6*GH> M/$]QGIL1]+/F&-97D_"^A&<+8ZH.-V)9]%Z:%CCWHJ
W_"K>=BO60 MNR*,!QD\E K]L18!=PR'IRGNSZ-<;?O"G]!+($^$E0Q9+'('-&R1"D,RTMJ0CNT(GJ23>RWB[ZG($B;5VS>@GR^M6">Y\Y/& @GE(_#DT M!HAJ!$=?
UAY]:U'SV9O[&)O/<+1E^08*A_UXVT2>#-8_Z)>Y9C^7D2TZ0 M;P)'+=A:D,@Y,W#Y*BQCQ V<$9;C026KT_@770@&MP:VSMDF9NF<%P?78.8.\C.5#[Q0*&-; MT',NEA
#N;_6VS]H4=8W8QNAM&PO=V]R:W-H965T&ULK55AYLP$/TK%INF5NH"@4"[CB"UJ:INTJ2H4;X>J4Q];GOZ[R$BNJ1 MK$'@RDJJBAH,U=K7M0):.%#%_3 ($K^B3'A9ZN;F*DME8S@3,%=$-
U5%U:]+ MX'([]<;>X\0M6Y?&3OA96M,U+,#)S7<) M7QEL]]M*F8>H$5!!QR8QDH/C8P \XM$F<>*6!%&VYNY?8&.C^QYR1MM9-6! M44'%1/ND#UT==@#CR0% V '"EP*B#A
YHZTR9^N*&IJE2FZ)LMG(9@>N-@Z- M;IBP;W%A%*XRQ)EL)D6![P0*@B,M.2NHP>"ZX"MC_0('SMXM _WL1)].<*^'*'CBP[P+0S:QT-JB%R1:R:P"(QR,I>:N5/W
M_6*IC<*S]V/(:LL]&>:VW^.YKFD.4P_. UJ U[V[LTX"3X.&?]/9'MEB/HR M1,^QXZFH*G2+IR^_/R$U561#>0-#GENBQ!'9EK')@E$P3OW-KI=_).UIG/0:
M)Z_0V)X_0AM32L5^0S&DM26,=V1@LW._)WI?D+BG.>XUQZ_7S+1NAO7&?\E(MSL(XBLZ>R!W,F\3C Q5.>K7)ZJ7B3: -%043ZR')R0LE#^8-2/9W6IN]5KY0 MM69"$PXK1 :C4Z10;:MN R-
KU^V6TF#O=,,2;S=0-@'75U*:Q\ VT/Z^S/X M4$L#!!0 (!. #5D/4R%F9@8 #PA 8 >&PO=V]R:W-H965T&ULK5I=;]LV%/TKA%,+=#@(O7I+#'0V.J68=V*IET?ACTH%FT+
ME415I)WLWX^4%'/)>7EX=F+N]9_8UO*17HH7 M;"?RK*0?:\1W19'4_US3G-U?3?#D\8-/V68KU ?3^665;.@M%5^JC[5\FG8L M:5;0DF>L1#5=7TW>X8N81*I!@_@SH_?
\Z#U24NX8^Z8>;M*KB:-&1'.Z$HHB MD2]NJ!YKICD.+ZWI).N3]7P^/TC^_M&O!1SEW"Z8/G7+!7;JTDT02E=)[M< M?&+WO]!6D*_X5BSGS5]TWV*="5KMN&!%VUB.H,C*PVORT
;BJ('D@1N0M@'1 M&W@##=RV@?O<'KRV@??<'ORV02-]>M#>!&Z9B&1^6;-[5"NT9%-OFN@WK66\ MLE(ERJVHY;>9;"?F"U:F:#W?X(BMT1\5K1,UKQR] M_E(FNS23F#?
H#'VY7:+7K]Z@5R@KT>(N(0#QC/XOG- M74C._^L]_L^]GP3#[7+$?;?C< ;Z;U7._0U-]/-@,E7X M+GB5K.C51%8V3NL]GASK1YW Z M?*N^!>-"%9YZ6.>!P#_JUPO=0--
I@MP@PII.$Q2%,RT8L0F:S3P75AET*@.K MRI]KQCFJ:K;.!"0Q,/J4Z:,-; & W"C2))H@X@4:*#9!;D0P+#'L)(;6TM'N M'.4&T8=*[3/@YA".63'&)%N.21:/1'8R5W$=$3%8/3I%YMD=R@I9':2X=8
MJ5H.34=D)$(0Z!7$Q/B^7D!,#/:PHV4= ,+!0-;-.K$SJ]A;Z3M5SBFM?)M5 ME7R A,[,&D+T$@)A].5E8B*]Y,80)H1E8JI["/]BJVR?U-U4YXRTHQ7C&?-
MB4/N%I^34B0*"XJW4L*K#T'UI24Z+%-4258W M7FZU3>H-'#$KQTLB1H UKN_"8_46/]';:<1Z"XRM?F[^FD.C>96*[S>QW[URN.%"J9W1\%LTB72J MPL0U%@T ([Y>D6.0S2-8%:7WG-
BW>Q6QI;4\R#:'G=?M!+^Y &5;[>M+'*QV$[GI'?(V&Z1TI!):]HIP6<"\ !&P<>"*2OR"4 BERWC$_JAV&&?A!F MZH?9AO3W7H\$5O_]M;G4HRE*]O+8(:QY?:\%'9EJ.RQ6.QG4Y- M;T^)W9Y>#RY
TR8&$0YFOOZK$$@0,PRCT/3T)0487$_WB 68,'-I1*[M2UU:%ASPVRBL%P#">D%&2"_(".B='MT&%[3>--?P7*ZF72D.FW[=I]U5_[OF M@EO[_!I?+##P^1)?Q(>+_)^\'\%'Y)ZDY43W:\;$XX/JH/N'B?
BF6 W6B,R& M\=XH^*^ =6:QE%D,0>$Q@BLM$Q$S S?W!GX@6D8CN49+IK?H T1H'"Z>O\>O7[U!KU^(D-?MC+7+(OUY<@ ,JM_%%4H;DH4I ?%!'V4F=EJ M]"N@B4_7C"BVBSR9-8-\2K\/<_>
(1J\120@8P>>Y?.74P\<6GN9%OIHGY>M M]>%]=*I@BJ4#$CLDV9QL((KB]<;BO5CMUJ;8E?Z!V+^-4 :EASM>>#Q<_ MX4GPB\OF,RD[\<"X]L#8IWWQ"3I2(K4S-\J5TV*E;3O[Q9 0"G[?'Z-
W2&$< M-E(GL,(:5N@-S'7\#]18F>A&0E^*9!:)A*.LPFN?VNO(1C"W=0*9_NSPA><, MWYF4G?AI4OMIX@W?O9'1MZ'MES&*9 HDHIEMPRZC2TWA4:!".FX%LRM#YU-W
M**"E>R0Q8BE4AGQ;R_.:1=#,&WA=,C,B1OGK,8Y\^+\PV85 M0(R%WDDM"KC08[^PS# KZX+JU>@./7*ET*QC#I[TF#.OS9E[S;E-=TPH6T$H MVC*U<>+WJG@!_GD7/\9N_#AH&##P-^!,?
>!KQ!GR M2LMQK(8T&(>M G.(X;"OQ#!I0!(O2!AFC(+F7$74"9!T^U301M>5&4YG?1G7 M3 /82[6+VVP/]2(5Y)83&>V^E03M%NJ2PA,\Z0'7$#7V,_6?9LL5C)Y*V9KV
M^&_<>3^9=!SH$*)]_FM(&WNYKDG!'7OLS;_0T;IG;7A=H6'8PT.XX4KL)TN MIW(@2OY@>;(GQET&'))Y&YY#:#H>O U1(G]3%D7QU&/=R+<%9J$
M\QZ(#4=B/TE^>L[(Y<3OVC.%U#H^CF#(OX! MAO0PQ)FTG6Z]&D(E7@9:W.4*1@%(?,N,.V5#9QX+4N7?<[&SLX++!Y76TX8V M:T?.)45(Z(X<:5B-^%FMDW"P$:#4<3?P2T-!M*;D#]@,[77?
Y=.E]VC,?D8;=B9_=Z^)YV757/&]OC]B*& MF]7C\[/2P>W=T#CVR7V1:>B?^.G?&A#S2'%HT46GL\;8[EQ'DY=8IC2OL[5S 7$/QV?B%*.3/J9I9@3BWS![3>#PW _>L04.@J.1N@+O$*-
!WX!#&VJG_KWR?;[; M)<6'89982HP2J7-5E'7TU)XAI\KC!:AO]T?-LVZ'SZ7MU"/-X$#]@\-M%LF4 M(\,>N-V/"&?4:)?'VY\W'2)]GS9H0_343_2W&= #,'L_,-+YJHK;3<@ETR[D
MT=$)1,K5ICB8T:C8II5?[>NG]>'/=7'DT7I^@R^6Y1%.HZ8\4?K(%)2W1@E? M@\K@W11#_:RG-TXU]07U4MO@/4$L# M!!0 (!. #5DC;M(O"P4 "@, 8 >&PO=V]R:W-H965T&ULM5=M3R,W$/Z^OV*4JTX@<*7GE*.<(*(5F`.-].X,`L^]M'2S0LSRFHUY#&0P'H"F5*Q`UT[<_(\ Py$S`Q;>\~CGEQ7H]X2DCRA
H965T&ULM5=M3R,W$/Z^OV*4JTX@<*7GE*.(E4@B@H^T!)?"M5/6&LSO)^O# M>[:7D'_?&7LW@;O 7:7V"UG;_\\\\VISM##VWN6('AX+I=UQ*_>^/.AT7)IC
M(5S;E*CI9&9L(3PM[;SC2HLB"TJ%ZO2[W;U.(:1N#8_"WK4='IG**ZGQVH*K MBD+8Y0DJLSAN]5K-QHV[+!\$/DED80]/. 8U2*@8C&EQJSM3+) MBD^_&_3SX#OY,A4.QT;](3.?'[?
V6Y#A3%3*WYC%!ZS]><]XJ5$N_(5%E!V0 MQ;1RWA2U,JT+J>.O>*SC\$1AO_N"0K]6Z ?>T5!@>)J]\&!Y9LP#+TH3&'\'5 MH$WDI.:D3+RE4TEZ?G@RFEQ,X.H7MZ/;BZO+HXXG:!;HI#7,283I
MOP"S!Q^-]KF#,YUA]ER_0Y16O/H-KY/^JX"_5+H-@^X.]+O]W5?P!BL_!P%O M\ +>*$U-I;W4<[@V2J82'?PUFCIOJ2[^WN1PQ-O=C,>]QBYK!H7W MUO#MF]Y>]_
5MKLKMKNOH?]X5EZ%V4SR\NKV#'H'$&PD7]F VQP30;$J2J&7 M'*U*BRJ3'C-(#=5N_CE*(B9X.V9U$*G4BAPGC:H8;T#FA8P_G0*9#U\J6?(6 MC(TMC16Q%74&DVKJ9":%Y4QL41F'/GU M82W;_;
[_>ZA)RKC2"3L] ZW(110*2S9E]S:J;$9L4#]I^'=9WLTDHB5RHR,D>-5B@R0.=8^JA+5N!. M#P*L,DX4E,]56'<./ &>&Y K_ON M]R VLEZF"F&?+=S@O%(18O+NSS;'?0F9 6T\P:2JRA"
(*XM&Y)7)A+%FQG@2 M);86*<0J-'_&D&J)F8EON6GA*XLA1>0N<@W3+O43 M#?Y8Z5RI/K>(=[)1RCB-$2>AD"S#%>S+!ABGHUW4K%_&86=R[])> /O<^$A M%9K< 'PLJ4>XY:)-6**P;(/YG!)
<,46;#'K14""_'QW9@6GEJ3L%-O[$[X$>Z(_F_NX-#(_"[LS/9&#&7FTIE MG'!^93$;TOE%&G"O?KN"1 _4:&VNW#)1940G_'*D_%33\Y7GDS6GFS= M-66P#9O>!ITGKS>JL'EXHSH(Q1H?7A\='1\\-
:C,Y>\W//KBSU[9M M2FW4!R=\6U72;=^]TF[>3)Y-TH,;O5PU].#P['4ME^I6-9_J#PY_'792"ETI MX[4UPJG%F\GYLY=O3VD]+_B75AL_^"S(DKFUG^F/J^+-Y(@44J7&Y(@\<]:
M7:BR)$%0X_V_%47S>K-Y,5$%&HAV[*YL9N? M5;3G.Y*7V]+S_\4FK\F]F8B\]8VMXF9H4&D3_I5WT0^##2^.'MEP'#<WG]Z].[_YMWA_*6ZO M?KJ^NKRZ.+_^*,XO+MY_NOYX=?
V3^/#^GU<75S_>OCYLG['%2]NWQ%P?7^TIJ9.#F:BN.CX],OR#OIC+A M>2>/R#O/<]N:1INE^&!+G6OEQ7_.Y[YQ2);_[C(XR#O=+8*Z*6O9:[>3% A M7KFUFIQ]^\VSYT>OO]#M::?
MZ9>D_\50?5'V;LVOWW_\41R_%%]ML_L+A1:V5: ME=VHW"Z-YL,[IF$HUTA3:Z0WLU*7?]?OA7GMQ?B^=%S<9!VB86SE:A SI#_ M?5AZP36%4[7W,_%I[4_%6O
MI%E";^O$TEH&@#Q9,LL^H2!<2+$ M7!WX1M6BLH4J(>:EV'NV+Q OE%ALDP'LK> L?A*/>/27VCN\MKI5C$U*@'QM];]?IOI#@/0/I?-8YO@BB\H M\BJ3IA![W^US&&G ?Z@ND*VG,K50QRY81G
4/6PV5E2J62$ +\7[M7)9@[XA M/JY4EKQ:**^7QD\!G:9=0*4662[H-#2(,L5&4,O3N2S%6M8PKU"U]2&)U>^M MKM&,&ISM;+M<=7:W6"Z73BEZZV=TK%?":Q&Y2GA9*I\YVNW4\[P!(**$#NQ
M: W[B&P9GH-DU5XLE4%^EN46)U9UB:@4'&P*&@R''X.X2AGD"<,MEQ@60TS. M6I'+4!5P# I1U0WY?28N*5E931_T#$=61 4XL$XC [2D(Q[&PY+FY.>']<<+ M_<.58KX-
842843]UV\2P<5\M$%QH[5$IVN2MDT5PHGP4+?85,H MO;S#5>W[X]G'1)SH:724*L;&,#J2,^]%AU(8I9[%HFYL@U)0'EI+2M*P&AZ- M>?MD1% \5TEV=U39%HI0!4Z
THB+Y&B47+REG".&O):A Z[PA/EQ;1#B5,GZ M0,T^++T"4Q!20#[0A)"0Z@P;.N575*9=%F MIY+JW"CTV*K-2@7'(CE^&]KDQ4JND0A4RW7KT%TX"@Z%O0X&A$@1FEJT&*A(
MJFGCX7DTI2E9$<&FR.;;X2%=Q2BS!*CC/"1)@$4RQ#/ .^ MM2Q;:C;28ZBH.8>&X0Z5Z+EY9SLUF,8XD09=%*8QK\BW%JL[E(AAOPI)W&=Z MR/QP$DT:9MMG&N4"$(ID$[Z8C+8:U?
0KHH,?!8AP&+JX&YY96N]%;-S(9FT+ M_LB/Y]A;8>-G8S>S&S8 ;B;U #V^-G)?;K)/$'0NB-_0_8P7_31V4^^W.^$_% M7)>@D,M0&IA!XI!%W0>8AU@S&=@U@XW2:YQ*-K:&JL*
P5/!19P#ZU[X&8K-+P60,JA%R\M]@6*C!@$:@>5?#%T#.7VD O MPLO;!@^8HXB]3T8BY_%^7_P?)'/E-'("6P/G:ACLM'7*>;D4R8C'8D/M)D: MJL/4^H-+Z8$ 4'^61>) 'VT2S=F4(QXM:>"+W
0R#P41='0 MC] @HJ^($?8C3O$P"@&P=^ JY6M>8A4*R =DQ:J%Y^RO:>0IM>$-H8A.3@5 MN>O;.1(5(+%S;HDM\ XYME$E:BG,+3/Q@8AOEH@OZ'EFK#D890&\@8.+-F5 MFK9[GR/W89$'E-
J)F!LC"T[2IJF]4[\8);/()2'V85*S'?7,-+!W'1T[R"> MO'=X^KJ![A!,-KIQ"&1WE[IB;^?TO0^@>(1ZD]=D\L$]T"5CH^UXC%D$!8I\ MB@'S-R&$Q/?K!.23* MADD-0V?W9F/;L@@7 G M;_J+2=J;\B
ALS&67<;;F68%*A(J1=^E"P)%]['BE]:H[C:5E^##R92'K<>< M2NX)5VPTF#P]V!,H L.86!GU4&SGR]CF/&1#D=];Z8@PPVS2:1"7Y,"-3"7R MP(_9#C_>RP.YLYQ[[]T"O["<6:,=.>J$6+KV3UB
[(*Q(Z1E">;KJ5VJUFQ M8T)6OXWS^^DJ[M"1E*#A[%?I@"/-=G39W/.[2+D]T793TW/WD)FW(*1[@\HE-IYO8 M!)5;,/[0"UO]F"/7\4*GR>%*"3]%4<-K$7E M*S);NFVD3Y"LTRX8>:NN"K\%X&3,
M_W2S%!A'@=6EC3R(X!>SRH)Q@*M2&9FSKI7<1B8PO"W)-%Q!#^@:*^22RDT M$[N^ZCX<_$(!RWY=QC$?."K\&.%[FGW4X_S\ N'?GGXG<@[8+X&GRG5 EN/ M9M]_Q$N_/8B_-'8FG_O,+
<-Z!Q_7+$G:0'>RQR*OY!!W0_@#G['U!+ P04 M # 3@ U9+C=U4=O4G(LVDF6);T;$8LV+WAFNNI4U:E+%\VS94VO'!'[ZM M:^6>SKFRJY/NL+OY<*^799
/@]C1BWXGL.GYJ/#VV"+4NB:C=?6D./Y2?=1 M>'1^'^(/)1X5_*^[W1+!^@'9R+^V$1=&\M(&#Y</PL>&<-I*4^*^PJJ3$J>W-]/+FX>[LX?KVQNZO+IW+7W%>?]Z'\'9+<[L]_,/P,/OM%8&M<]
.Z0/UH32TZ4IN'BN/X!G6_=&&_?.1Z\"_MZ:/HVS'HVR MT<$K>.-MN..(-_X&WIWV7SPI4] GD[,+J-J@V=/?9S,?'$KDGY>"3I@'+V-* MVQSY1N5\TD5?>'9+[I[^_/P,/OM%8\/MAX?
O(;^OQ/T*MK+OM[M,T53Y8JA,\/93:)2K46>%'2SNE'&F;]C(6'^/=9R=2*"[H/*D!W MI4-
)B!]SYJ(CB%=0%_]U;8U@50AQJ37]0N;VLW$G+<].=QHC6BD/2C)P.Q/Z"S/!<1W' 3!VJSB9]Q@F%6>&F>+@^IC"6%6@A# M'$OEM&T]Y5%M1]%XG\+: MIH6=W
"^8\W":K.@W'$!7ABY;2,9T07E/50C-R9K 7)F";31HZ@,T=#6H>D:9-7;2%F&X6Z0*<:KZ)BAQ_AFF9DIK?GC&C# M">TV?I8:HQ1Q"F>.EW)=)!$I)ZMSP0Z, #>?Q,2C@>%[C GN4Z<44,
(;6^9XQ+!'H8C1/P1AQ7UOX_T1.NC]Z\3Q- M):L*$P%6?<.YG@O2+E-7;0^*"1,9+U[-#G)<%323Z8*$5M01R5OI(OIPM56*(RX1 .:3 M42 *Y[_0=XWP-U+3VK2BS6(04!1+D$A@1?
M&Y3T]%TC&2E'85E M1Z'_L"#H&N=AN+A+U#WV#V=C$*,H(H]/6+&-C^\W'Z+U!+ M P04 " 3@ U9FKL!*E0' Z$0 &0 'AL+W=OO*#&M$9'C;0/0+FJSNT[5W/VH/0WLQ"LL=-49KSSMK:
M[8=>SV1KL>'F5&U%B9.ETAMN\.A7/;/5@N>.:%/THB!(>QLNR@&\[%F=O[HB_. M5&4+68HOFIEJL^%Z?R4*]7#>"3N'C3NY6EO:Z%V<,?E*S(7]NOVB\=1KN>1R M(THC5'[A_=+;#E@4W8JR*?
\CZCO)H,.RRICU:8AA@8;6=: +'!X8A@&+Q"$#4$D=.[%N2T MO..67YQI]< TW08W6CA3'364DR4Y96XU3B7H[,7=Y/?)[.N$W4W&MS>SZ?WT
M=G;6LV!.Q[VL87)5,XE>89*RSZJT:\.F92[RY_0]*-1]%1VTNHK>9/A;59ZR M./!9%)3)&_SBULK8\8M?LU+L1%D)MM1JP\,052,:@++1=L['#6&CVK\N%[@P,MB@7[HF1I&3&AIWME>>'=.S5>
M%_\7Y)-2Z-6>O6-1/,)W&-&R'WJ70BN'*(O\=)2P<##":CB(O6F9(ZJTY 4+- M_7X205*U3")O#O QW6VQF,X2""^CU4\&'E.%CCW_30A,>DHI6_3OI_S[SX M1\T;I-&^XR$M1\C\J]ZS-$CH\]RP8-AGH[
/FX,@>&:8,&*),8J30>M3,$? M1&08KB>!,S1(1\VRK+AHRQYF9' N<7&QL5>]VO) MJUSB_(2]%<++=#*!(1^\A<@S-^,S_\M0&*R+DI'1P@F?@)W)@B2Q!^-@F,<
M$3%!R :(A=CO#_I/- *GN,_BT1"K)(Y;'$>X%E(<^G6(A*$? >:_8=\/1TCL M1P,2V8_<0QP=1TF4)FS8IW_P]&QA8D_Z*>T'0W@]. $P/K8QP=%H, 2W)$Y: M&_-
+60P.5;&/L#*>:)&IM,$)\$Z1I5E2Y,$VO%-I@:Z>*'6QTI029P:4%%RLA"(BY8QO5"YH(]\"51405:<&N%EL*[7A7DV36WS[ASJ3/- MEQ88KU!^P>8(!N!^X
7Q1AH$,M39<2U1[MSQL0THKW"*$5C6+(A="US#:*NA MEMSRHMA[1[7YB8^I<]D:5E.F[1@XTQ50$8S?> G2V.EK:B00PS!/%:+2_W M;-VHMJCV,X NM5H\20Y(H7"*$IRE"+%]1OGK2X.X?
E=2@ M1J:+'2\JW(1>& 6W3F8#K^LT!'0?>.J1:8(M5OFYY4SU%B2)3*.158KZH, 77*'6A0UANX,C(*(-(NS]\[A;#NRMW)@9J" MM XC6=9O!P1C91HO-
P!XSBYIDUDQVW"/#4'0(A7E@:/T_];@VG'2@]A+6P=HX7D"Y0;EW4OG;=Q M>'P1ELMR"Y=O!"8A@+G?BO:F_ 0SXRCZ-2O4RXU.44;36R&E@#B61=[=;;R M,$F_;^?
W['}VS2;S^^GGR-L)5I=WL^GL9LZF,S;YYW@RG]/(=37]](EV42". MTP91E-%25%'5V"H*1-VG3%#6G1%P;&G9P4',B/,1W5SP*J;))TZ/J8UB8 M^FDX]*YD43A>E/64MMT0'7(X8B?
>3#1Q3S'WF)$RP&1Q(.A&-@B=],2[%N@ M9,,AJP^I):E*M_727LDNML?Q*,_]E[^^>26N\V'G_'NNCQ20+2:=U-XLH M'MVHAC'D=NG5)?$[JQOMX$/+KD4F-@NH$H?
U<'&8[2/2^1U+T/F2TY!%IP-\ M4O,2^U'OZ'T6;6SEWMHI]U%]ZU?;=K?]8^"R?A]^NE[_J_"9:[1BPPJQ!&EP M.NAWF*[?U.L'J[;N[7BA+'JF6ZX%!Y9T>=+A0+2/)"]N^2B_\"4$L#!!0 M (!.
#5D[B1\ZV0(P&_ P&-=@=PO=V]R:W-H965T&ULM5=M3R,W$/Z^OV*4JTX@<*7GE*.<(*(5F`.-].X,`L^]M'2S0LSRFHUY#&0P'H"F5*Q`UT[<_(\ P/-(5#&^$-37/C*7A"
M[32(@A?###5)OK#-$$LTG%UKA=U>=-!F+E#EBS+B2(+@CK"L+E#UZ*>$AGDT&tc@I#)&%=H#OOXZK+T%DB@9>T:7R=O4:1BCS2N@F+#(BO-UGZ?-L*L;0/qL=!I#[\.YIGD3Y.^%[JQ]QT+5G&?+$&C_&&!!~~`
@%$"!*U8+>Z.VY[C+)W \N1+&_*V\4WB /+:6%7NP*2@ MY+)9V=/N.W0 H\$;@'@'B+WN)I!7>7MUTV26>+WDK._F(TBK]#*?,*@?,9A]>!< !U_VR$U;N>D^]O\]QE[P MZ]
(NKV[GD(VAPPR+D_/YZ=VW.5R==>V]EX_$V%74"NJ.V,!;4;!^A1L'IL^4.,4< MRR5J2"]O27HW;$L5:5%S)@R\A[@?)Y%)DRSJW%-3?N+R4Z55CL9 U!]&,?W&
MZ:AWQB6GTBU@K51A8!1E,,JRWJVR3!!!VA]F([^F60H7,A<[@_@M4((.QU:HE[[.>0^TZTF<" [!0 &0 'AL M+W=O""ZVP<1$X0EIA:Q\H>,)++$M' M1#(>MYQ!NZ4#[L]W[%]\
[]3+BAF\5.4OGMEB')P'D&'.ZM(NU.8*M_V<.KY4 ME<9_8=/4QF7L.>X#SZ U O 7$7G>SD581+'VLN>'>82JGFYD6)$N_=&%) MV08H5$THRGZ ?B_N1%$$@PC..[W3&
9PZ.3"O0LM4*^]0VDCJBYV^UJ^S)< M-(;X5]X*S=,K[DT4&).T*A[=AJ ;JS:!%95WAXK9&ULG55M<^(V$/(.K[DJQ9_J]QL:\A@(S!GP)=Q=@
M,+G[T.D'82_8$]MR)3E._WU7]KBYEM";3H9X)>T^>O95DXJ+*GCC+TEQ. MK5BI8FS,;HPQ8_*.%YC3R9&+C"E:BI,M'SJ,D99:KN.;[_SEN36;+VMF(V MX:5*DQRW_F2994S\.
<>45U.K8UTV=LDI5GK#GDT*=L(.U7.Q%;2R&Y0HR3"7 M"<]!X'%J>9WQO*?UC<+7!"OY3@;MR8'S%[U815/+T80PQ5!!$:?5UQ@FFH@ MHO"&=-JKM2&[^4+^B?C._ER8!(7//V61"J>6B,+
(CRR,E4[7CWBV9^^Q@MY M*LU_J&K=KF-!6$KL[,Q, 5 M"'U~.%HPKAIK(I?D.BF!$G2:D)%.=>YNO5H.>CM_8&O%T@"]@]<V=,.8 MUQCN^\HQ@#>.*YBB7Y%N%!'(0 M?Q([FH9!T!UZ:TH!X
/G8'SZPVRO89L[Q;Z#V;D)L9UANO-WH?A&%Y]ȘQC(4L#E3H(&&:@8Z2<0#8A, MWB"KJP1UE0#E&)L<&Q42NJU$ I-DG]*TD&,(%H_^\OF+#YM/,/>"U0*\]1*6
MJR_/>W\)W_S5PZ,6O*_^SGOP8%Y>MJL:Z<"V#SO@SWID[M,M M? O34MLEN2DSBG-1JJ9T+P6+E[8OJ.U-.%H'#%DI-1=,Q"7 %=.:154ET@OP= M7&MC^]V0S5"XR5-6\7:7::U\JKA_3?
ZO53]\3$*2%G4CR2J7,WI%\L@ MZN>C7BA>F)%X)K(H> "/&\]BT #T1^Z,71<72:^TY#:8:U:@,I/#(Cr\2+\l*]CN@**KS+'L{;$-V'!^0$"=$(!*~}-KZ3I~+[@~"7 %=.:154ET@OP=M7&MC^]V0S5"XR5-6\7:7::U\JKA_3?
XX/[5KH_+\M-B83.5R5)+>K%:B M?+B06$]:WB-W<)8+9:&%]KGIVNQD(DTM^M1B:_V7DJJ5C+7JLBIE/.S1N2] MOPB9WA)\5G*K#^;$EDR+XBM_7*=G#9?
4O[FL_'##TW6<8_)K!M[@K11;EI3#B_+0LME0R :3Q MQ)IJN0%.Y1R4Q)385> SY\ED./CEY")*XDL:##^ XILDFEP/;RC^C>?Q:=M M"].V9[7$BTJB XS$+GTJI3(_YVT"WA^CO(%
[X+PK\>9.W*'';Y\N+M^ M(*\8&)R8.%%SYF\%\%+\$%%_HPKAIK(I?D.BF!$G2:D)%.=>YNO5H.>CM_8&O%T@"]@]<V=,.8 MUQCN^\HQ@#>.*YBB7Y%N%!'(0 M?Q([FH9!T!UZ:TH!X
M]_1/ZFBRE,Z@6*U%_H "G14E DY(V=G7DZEU[PR,*&!A"Q =A,Q2XE=*22(' MJ;JG594LDL.%$$J,MF1$,Z)-@]&#|t@OP,X+@}$E4*(4Y8&JF,9GP=CW,&5)1\3L\&R.:X%G[XK-V=WMV4>-P}_CE\N>!D5L+!@0!#A^=_<F)%/NG$4W
MNHS*%\2&DC)RI4%$Q:8$%JC(*U2Y+C*5"F/AXH_CKJF8$YI=.=%J>F-E%AL- M&/HMO#'X&% >_AK3\$/E&7K>,X[%S]AI/W, FUNZG[4V>\23D@:%-HRVE'O$Z'/# 'GDM^X#J3PH#P-?
G=GAU]C)T@ M9#SO>G13&^D+=4F_G!H>_!-J%SD,P4)R6,,WM$F8I,@ MA2ZG[4Q{{}{\$ E&F@M<9&ZG|%EB&E$E/9WS}UI(EGUA\$9D]$*M@!Z0E@I0RN@\H,#}~6UA
MI4(=&&@8'*H>92)O.;?0PZJ5IC462 I$!U%DOKJ*?GS5][W>3YRSJ5.D. 0L MK65BE<$:93+@@4+(B/\) P?&?VZ4>:"Q-@#H&H:0N!![SJ-KG-E-<[V#C*'YZ MN?2?:AZ!H[D+0]J/2"
!F9G_",@E;@'M7(E_CZZN,$(8L^Q^/H M*J8H26X_C3APB6.C1.M2S3A[PU:OX\3WLIPI!.AH]5+=*7@AI0_UL#%6^NO)G&#H:0N!![SJ-KG-E-<[V#C*'YZ MN?2?:AZ!H[D+0]J/2"
<]M@\CIHFL;RKJ+ZFKKH\V4/4&L1&C EUB>R>R[ISK%\#+HB_1@|D+OWL
MO^DA^*\AU^O_D[J47ET8M]JGN]PX#.'K& M-8!#+^S6XD>@^^C1=Y/'*YC>V_8^ 'YO5%%4ZEGQK9C5[ONO;[?[%A&K'5VZI@'G+8!\,]O*?HMENNAI#W+B:9<)>7CTO]S[D3:
M07I^WT5Q2]D*S<=C"_;#74_=]L'%_B5+!?VF:Q44'[KN[R^]7]2RBJ'@"/ MY-4ZI,H%%\@3RN08_M47.D3]P=;]$_AMJIEC{FS- 'B&\]<,8PN(L@P9Y5PCWKU'3"?UG'J\5-L;?F%5

MQ_9Z$:25=5INDHF!Y*K^9V\,"782+CI[$I)-0A)XUP<%EC?,L=' Z!48"TUH M?A!*#=E$CBO?E"=G.)=3GAO=WDWN9U-X'G^?/@UB1XA^/4XWV==U=K(G^PQF M6KG"PE1EF/V;'Q.3ADZRI7.='
3\7*DV]#HM2#I)_P!>KRFO%_!Z^\I3J98(MS^P_;KA A,:50?@QGEMGZ$+\?*_D&K'_/])_))>V9"D.(WH%%LT2H]')L M!05X) 4LF*E:_,$%/G*D4@2W(#JP#[BPH M#V:$6(_E5E0
"2*3("">O+NY/@BZ9Y?V1!LK5]J M 5>IJ#*N%H&38'1 KBL#:V3& M5#5F6("@50HRG/DV>>!7 +4E/G!7]!L?;+ M"I1V]3ZA'>UA2936(7".9$%,\
^TS54@D%>.+E,:9@UK2.DU<%6A!:,BU8%3PM0A/FB"(OX9-HS-_3,NKR."U M8L:AH4V2EI,,!I=D9UX8KQ<232UY2I)D*.RNL-3<7[5?A@M2E[BC*QU&=D?_M>^^NQSLV)
$L@ME:$J52KG:D9K7Q\W%M8W_#ZX_!C)D%W2 0F%-JIWU^&H&I M#;:>.%T&4YMK1Q89A@5]D]#X_K/-0F^F?@#FJ_#QV;-'!@ !!$!D !X;"]W;W)K&ULW5C;
M;MLX$'WW5Q!N43B%&&DN4+,FY ;DX,1>;"Y*T^[#8!]H:VT(E427I7/;K=X:4 M93=Q@K1]VX>($L4YG#DS_'_5+D5?=@S\Y=JH,]N3!%7L&E8GI1ED(] M'$$A[_:[07\>!CM' M$:VW"[[F<*?
7AE\&%;I;R&SU\SO:[/CD$!4P,(0@<;N$8BH*.T(WO#6:WW9(_ MU^^7Z*7#M+ILLM)%E8XP>E'GE1G'?\+!FD/K/E/#&@%N_W4;6RQ-AQ,&>DG=,T6I$HQL; MJK5&Y_**DG)M%+[-T]OD%8=MF?-
!!'#H(_M Q&S,UF9N6:C*H/L1_L^NM/ZQ)<^'?$7 ?]85-LL]]#W&?1Z]@!>V,886+WPN M1IAA&1EV!,54)]JF[.-#L38**^*?3>$ZM&@S&G7)CJ[%!/.[V-8:U"UT#]Z] M"6)_]P5?H],7Z"7TU^7C18C
#IY?W(Q8X.^P)QNPFSETCF59B^J!8;,K84-S M,U=R,9O3"+"^Y-V;E ?)KF83J9!.7,Q$AH69$Z&K1LM-CBA" 78NL0X9RRM$ M-T8 W-\]7IK;YV
7\8I%B8G'O32L@]0J1[W(BP=$F!2+##IPCYJD\96"0A"T MD6P"RJ &K;DEI],<9]&+*D/1JQSDD10J0R1VDBO4$:FT MAQ!R\@V9HF"7KC"4QV:JV6^.L6NRQ,&H?
$*;.,N9$M72Z>*&Z$WKQ5P6&2@7J?.OY=:SJT11D*.;XB]@ M)0!5];JG],/54* MU2MV:HX$*=VTK8);J!8-%1.IC6.UF31S86R=00-L=^P0-[+(.[O1-ON\#JA% M@8;C!^O6]
[_LXIFZ,$COR.+9C)5D)B/C.Z:^+ AU., MKYKD2/NUP0ER2[/>E\JF![(M]D*7]Y 13.&"EE$[3V6!'V3*J1'C EA#O6ZK M*Z_<}]]]?6=8@7;QAB)I&,($V8*G^%]+5J@IJUXO(#?YU#K0'=?,OXT
OC%&\B+PQ\ MFN R%:'%A)92X MZA52ZRUJ!%D"ZR5\B$N3(&*]B/,II?82^G88XE/G4H$1]T\,HW"#89P07"^) M $0\H=;!RG "3#U=TJ?N7S>!-1@%= T;3Y=_P2#J7"[49(Z_:RAUV-KHO7GP
M6%V@2+%WHJQW&;2]@!8^ 46/3U=9 MBKTD#=>R%*()>1=XR9-2%$8VL>A<:S/P_'CX?)HBRW$8A^Q]C_HJ]G/90@3
M[G%*^3.I6AI'9.R'K7$R#)QQX(>O25<8TY5<3X9K/'.>_&2^DO11JC[8RWC)_F^ ^?\#\4)YW?_Y(T_:8*K8H5OP.# MR-8WCVS"@\AJ2I2TQ1I@O<7)\]6*+9*0.@2H/3'6&949*AI66AS:RN/>@,=/
MZI7LTG2C7>@$B6.=OZ94N>U)_E@10O]G*S6PI?I$65+>*LLOZLF*[J0;)L,U M*0_PJTO/O3_5HR'7A)'+S->4W:&PX@2A0R]7_9X@.BQNXFXOX'R>&-D6Z4 MIC6[9. WXA#QUS->)TO&G1JWG
_Y3W+.[9?,?@'72>=\\ L"L>GTTU\[F9:@ M9O;\36>'167<(;6=;8_XA^YDNUKN_C]P)M0LK^@GZ11-_>UDT&7*G;G=@Y&U M/>>.I<%3L[V=@\"?OK0 WT\E*ECS0!NT_@X^]02P,$% @ $X--65:X
M#E0&ULC59M3^,X M$/[.KQAET0HDMDE#83EH*[7 W7%:#D1W[W0ZW0 M9%%ZGHBGXUH4N$#_K;ZW-(I[E%Q6J)TT&BRN)M%L>#X?\?ZPX2^):[?S#AS)
MTICO/+C))U"A%!AYAE!T.,1+U$I!B(/SK,J'?)AKOO6_1?0^P4RU(XO#3J M,YG[M7B_N%IZY35/WP7\H]$#.$Z.($W2T3MXQWV W:YK:P,^SI?.6\N6_UX1H_8Q>]\,U=.YJD>$DHB)Q!\Q MFG[\,#Q-
+MZ)8M1',7H/_?^?UOLP?]YJO8,A!\Q>Q8,[O3=K"LH]. OZ'Q^! M+Q$N354+O0'4'BVI*+4W(."^L5E)=1&D_"(S*EB$66$1]78]'+#IQP]G:9I< M]+-
A/+PXI&3W)6'X4MK\4RVLWPP8T#5"^SV"9^/>ZB6-M50*J+P59&@]M1^H MK:FM1$_!81SZ!VU#44'K0L@+$GC6@E7": &)C;@,2NU4:,8!.Y4XF@EI4&. ME XR-
VW<1ZK/5XN+'$BKMKH3_B4J<91.P'5!4SX#3VV5,QJERN'._Q\T=%I MI2/BU)@:TR8PY0V4LPJI1:D,L7&;E,NQFL+T='@9$V40!4T5A CU]A!(M@
S9_3XD@U_@*]F]$&Q;!$R8_*QXSB)W;U;)V!RM"_"WZ,PB$&"">9.1>KZD M BG*$!J2).2&RQ.$AW4I,UJ@?DTZL\Q46^0B0R;%['>SX897S4(LA-M N;\;(4_&EES]_.X:FPXTI*129-@Z.03J1=Z$'(/
NH@N.T@+S.8N&0<:;O[0[*1"5:6C4-9V&4[#X MB*P[<]5TV2KC'*RID&C/ROR41)9VMPA69DC^Z^6Q[-[8#;^IP'RV-IJLMO);T.8&6-]#Z MRAB_',"#_@-E^A-02P,$% @ $X-6?9ILG46#0 H20 !D
!X;"]W M;W)K&ULQ5I;;QLW%&GZ7T&X@$$LNS8&B#/-Q8&C MUJV+C6/$#0:+Q3Y0,Y3$9D1.R!G+ZJ_?[QQQ>9F3+0+?YTLP/?."4KOK2H M#XX.%\%E*,W_.S:G;ZQ75MKHZZ<=\
UB(=WJG:KM\NW.LYWTX*.>S5MZ M<'#ZII$S=:/.S\VUPU\'F4JE%*X;8UP:OIVY^S9JW?$_4+UAVZ3*17 MY[;^HJMV-G;GIQU1J:GLZO:C7?ZFHCXOB%YI:_%\MP]L7S'5%VOK6+>!D2
M++0)_\J[:(?!A9\.'[EP%"\?6KN/[P-MS\OSRU]NQ.ZUK76IE=][<]"'"_1$X*":,=X'-T2-L3L1[:]JY%[^82E7K]P\@ M'K[=(^SQ+^WP; M]=./ZE:93HF/JK0SHRF^-XFXE&XEV MKG!KT4BS0J(3)X]_ TF-
S,5_"_).T2'%%/5FW[>J$0M,J1ID7HG=9WL"\D*(Z2HIP-8* MQN(GD,Q'FI3JQQ*AN)W>&&\##*6P M<=="/E;YWZ_F>D)"^E.UCEV"*+8*\+J2IQ.Z+/78CXN=/E1W9>4HN"W'LE&D$
M0]'#=FG%0K5S.."5^"K7-&B\(M/0%<0-%;Y. MOA'4LW0I:W$K&ZA7J<;Z$,3J6Z<;=),6O)WM9O.L=X?C0TPF&0*5DJ,AFR H9!(JJF);N/Q04%*XOI@YR!Y8)Z M.3O6:42-EL3BH3\L24YV?IA_?-
/"DFJ^!&N!GYTW1M=!LWQ@K.A=0>F:)-MV3F')Q*?6W*#3@D;^5#R/WOYFI,,MO>4GDOIXYDI&F(N1LCG:QD5O@*'^ ME17&?K\9>AW6TA+RW6J"(/XQ.Q6)5";06 V?D7^)+FQ0:8\ I;
<3@D%CP24# MY0SA$2PXR@))ISE3. BF^@Z70NJ5N:YJW[-G&Q/RH:?14*I:5X:K(QGSGG4AM:0@#:=AT1BW3WH$R7.9:&=6=54$/N2S7#I@"D\U/YX-1)RJ61Z(V;NE%V
$1(F2#S/XKFEJ=&YXR@(7D4T; MJ5VH$PA"T-2A43#A<6Y56:@BZNQ4$IT;A5[7:CE7P; (CC^&.GDQE[<(!,KE-MIG/H+NP%A\2^#0H$3U$UM6@Q$)%$T\;#\FA*(](B%INJF*R&3'+&*#-#40<-
M!$DHBZ2(;Z/AWGIR5\IL-R@I3]2T!;RJ\H!X'/$%&SY4+N&(K&-Z1*)PD[(M=^$4"*:G*,9(A3^Z:L9U3/?J<>&[E75'S49Z3-4-Q]#0W2$3/3?O8J,$H^@G MDB![813CBFQK<3I7B>CVRQ#$?:2'R
^<:%0PJS[2*!90H8@VU1=3T%6CVOY$ M-/"C!2(P0Q=W0YZU]5[$QHUHUK;BC_QX@KL+7/QJ[-*P&C CH1?(X:V1DWI5 M9$K"HXB9/!4.A:)ESD9[66N-7>B@UL.S[O@;0K-L9$UEQ+>)")
MY5&TJX9[>2-7H:$"SGB&+?%^+(=13I#A=WU?"Z@1E06&B4*G8IG:CLJ:#N$M MPX%JOVNX5%0P@248H5]$4,DV.DZ7(()WMU0!(+?D^5 MB>^9Y$@8C9C-1=";I*
MDX^)YLR&,D@/L!F:M@/0^M/3J5]$GPMCL2#.%@E MF+4I0MA?U,(3N_%P"D>4V!.N59 M4%PAI>DGH8AB2@U$1N[Z;(%!1)#;.+;$%WB'& MEJI&+H6Y92RN"?@6"?@"GA?&FOVU*(
UP+CJ4@2D:;L'P/?0;0CD=4C-(R5 ML76&I&E:E>S'O^LWP!HCS,3E5"OIN&D5F1FM[!_'DWN'I=0/M$$RQMG$(8'>3 M8N&)WX_J2]AT+Q"/0FJ\ED@WM%EY2-NN,Q9A$D*.(I,A[PI9.RKQD,38.Z'7 #
MEYC0:F,NYZX1%SM_;0T4USX\OA9DL!@>_>-< F7)H(9+9WZSM%U=!8Q-SJG1 M<**C0:3IP=[*HJH80RL MC'I(-MLRMCD/VA#D6R<=-6:H33(_)
(,N)0I11[8L=A@QWMQ(#>FB0__GZLN67S_2)OOE]LW7Q?&EB_ MM0X-;]/&>^OES1OO 44Q^%SL.KDA985@LR6^LX2T9!][ETL[B?""=YC9E7FG3-J8(R M;;@C"C/I4#OJ1]_AJ/&V_#C)^7&R-
3^N8U/_(AWJ8(O:E"1.*6Q.DDBV2&37 M=O,]'(X3BJ\8*' M68/O%U:4GQ,/B.]R;&Y8FLI788U^;$H=B M#$$709#3& MH6AJO:0E).Q@8@'J$T\%'(2B-0]'4$DF3 MAZTVQ:(/@#!)@"QB8]-
MKR%:PQON!^GPSJ]#*W?7\I1CX_0QQ_A*_?XQH8T/MZ^$X(!)&KM&$J+xxx$A$_RCN[VK(A3-VZ-P]^ M(X;%)ZYSN)$XSBZ#(::J&*]# J.6:6HA6\XI'?9\LK)-2QOW"1HNU?(5.JV: M3E49.D'Z]@Z9J6YE,$?
(5,FS/&5/YXII5K7/K+'X#5T?Y6X4A>)]5@=@:CO/ M-L'(C?6T+0PHLL+IVD9L2]T+\^>4BQ67#F5DR;(NY"JBN^$&K-P!0URH0GU M(KD40INSZ&#PLQ$(-^,?
QQ":A:W"+TCRT_S[F[/PLY/^>/CQSGNT3 V,6JLI MKAZ.7P*(N?"#F/!':QO^$#^UB*GX!S'(OTHZ_1]02P,$ M% @ $X--61"[3$AV!0 1 T !D !X;"]W;W)K&ULI5=9;^,V$'[7KQBXB$\(!M+'N(TT,
(XVZV+7"6QG6Z#H-RW1ME") M=$DZ1W]]AY2M.+N.^T^2!H>,_/-2>K\@8N_Y(I2!8]UQ>1%9Z74"JS7D_F*
MUD2>\C5EN++@HB8*AV+9DVM!26&8ZJKG.4[4JTG).OUS,WAWF\V?"GI@]RC05LRY_PO/1@5%QU' Z(5S9660/!S3X>TJK0@A/'W M5F:G5:D9]^F=]
&=K1E3B0=\NJWLE"KBT[2@8(NR*92$[PD6[M,0!S7DGS MAH=F;^1U(-]Q>LM,R*H2]9\R>/6#WL,B?,*@[=E\ SN1I%!>444Z9\+_@!"
M[T9IFC"F&FX$5S(=*D2N%HBG^I/LB_9^"Z#23:\N1Z/9J.;,71G9%Y1>7+>-M4ZA!^OE6VF7C33O%6D1?.9,K21DK*#%2_X>(FOA>3MXE]Y1@;]NV"GXC@V> MXP5'Y/FMN;Z1Y[]F+KVG;$-
A(7@-0\0J,"W0Y6H%0^L*N"/P5R:^3\/.:"1 M'QR6KTOH3*Y3]B\Z6".2BGO:Z?_\DQLYOQQ'[3H@V/2^]/AQ^SJ[E,&-Q-@ M:C0=7%]/LNN!B1G.;$-Y"/11L8=!SU;46O-*B[9D2U-Z([-(S3I3@@@4I23+
MI:!+8LJ++W!YZUPN0*TH/H)2(*P-63Y"W60&U9D!&%?:QM4V>Y#RH5LR9.;ﾠMB3/RY S>9+%UQ;(U9@+HF25.#:8>"A)@>I)/"L";J/B%R% M0S<.4'V(E!^GEM&%DD,[\"K2:*
(WTV_:#\,?,\]]J7APY^/833:;)GGGO(7(" M_;PTS$E"2-T0;78.,=2)4AAS1:6EN*[% M-EL]@D=*\JHLB,+!AY(1EFN%4X43M+;7JQ5AIX9^-Y^EGA1-M $FHT]EUTWT+ SL.
(SWMQ1CT)/'W;0QP*8T3E!;X06NCZR!/H\0Q]>;Z=HSR MC[30L&VAX9M;Z/!F.H/!^ JRZ6ST>3#+D!I,QJ/Q]I1&8\A^'V;3J=YX.?KT M2<\>:JU'U1UNK;MSQR)24MU+L/
OEN[.H*LF\K$I54@G85DNVWBBH*3;% M33 MFK8[I0[36G!LP1)E"+J]6)7-8'R)A*9Y2TUB;WZ1T*^V6>O->,4:B/HS1)*OCI%8*,!U,?6,>,#Q?I.Y[N-!(TOZ@WVRQ4.Z&Y;Q>5U3//^MP
M(SMR$^NRK"HC"]N)[A[0=;%8DA1.K#'>;G.4K>'0QUR#09_;>PQ=STZQ]$ZL M>Y[J@QH;=429H94"@2,;9>_DDL0GMJ>Z&L8]\PZ^C]-124QO=;<3?01?+/0B0 M=<3R:H,E:97ZBJK-
(^Q)'[EYVQ'S_8XX)Q5V1&HU5-9#P=T@7W, /Y_?.5GK M4UI^'?EGY"TR/++"X%N+=#Z:KHT=Z69A:?'Y.S3#AW&4,$5S6D]1RB^V_29 MW3'O:WLT6[V9+!$TY I_&PO=V]R M:W
H965TPZK6WMC%-)?.C(.CY):'13@8)S;?)3Q3W*B],=A*%D+\ML%-,?("*P@9YMHR$-.]XB4R9HF,C#]; M3]_S+T+@WQSOV*U>[J65!%%X*]D(+U%*0\?*7).Z9G87..VGM3RY8(IU*F
MR8TC^_):.5%NP49!27G3D[?M.>P!^L$10+0%1$YWLY%3.2&:9$.I-B!MMF&S M-U>J0QMQE-M+F6MI5JG!Z>SF[GEZ]W@_NYG.X?,C63!47X:^-LQVW<^W+..& M)3K"TH-;P?
5:P9076/R/]XVB5E:TDS6.3A)^K_DYQ@$7HB!*3O#%;9FQXXN/ ME?HQA?LKV+NA0S)/$AV6"4?H.[M3HJ@@%\9X M2H-8#CKF-K")#9A@CN4")<2AFXD[,[(Q;U*CI(0I^ A1-XI#U\=IV'DQMCRC
M_*R2(D>E.SVPLBT4+O7%%.S>,M8"5$H: ?IM!/T\ZCT(09@J3;2_NN3]($ M#AVLO_?T2Y0K9W"KON:Z<4$[V_XA%XUU_J4W'] MD2O*%3!<&FAP_C7U0#:F M;@(M*F>DA=#&EFZX-
O\@2IM@UI="Z%U@-VA_UNPO4\$#!!0 (!. #5G: M7;H;@, /0& 9 >&PO=V]R M:W-H965T[3! =;=+"EK9%49]%C+A.<@@?YR@9~ MR8;S[V814.+T80PG2!!-5
1./$=.J4NK U_8+^J6IG6K%,(D3 MGCXDD8'UKD$$6Y9D:H5/USCL9ZNQ@MY*LTO'$K?MMN"L)"*9*N"@8I E>?G/ MGH]]>!5PK]KP1X!X#7,?.[,3K&183IEBHX'@!Q#:F]"T84HUT40NR?50 B7H:4)Q
M:N1[J_EA7-TE]!/VM?9P9IL4Y+$/9K^N3H6L_HXMR2+O!M'@YWN(D)>X'ZMB[@+OZ.^,Z$+D6KRGIC'\I\;]Q6HO9^]HR6X@/[1!U(:'J'IGB!%%'P!/"/!%@#H:]-%%/6H7\ XF=1^ *KBX:"9&'G)HO!
6$NY)Z%+3H1A7 TE]!-.'.VM/?QTGK@* MC(.CY):'13@8)S;?)3Q3W*B],=A*%D+\ML%-,?("*P@9YMHR$-.]XB4R9HF,C#]; M3]_S+T+@WQSOV*U>[J65!%%X*]D(+U%*0\?*7).Z9G87..VGM3RY8(IU*F
(::\.NGE7P%M]:I+%IUE\:U&N>MWK_MS]T>6?W^>;/?[9B]=K/E]LU>K^FTNXVI[C?)&>!V2_JFA\'W>BS2M*G(GU#J M+)_*3^E?·Y^:P?PC!Z@[XO8K)2BJRR%4I2M5N)>E>J62_W&PO=V]R:W
H965TW:>\&(S1=*"UJ=RQ69TXRJ^]50X%>KUI*S)2TE MXR4(.KNR$_>B&^G19L,71K?R8 [Z@A/'_5'/[^R'6T0+>A4:0T$S:T1XM* M*T(S_M[HM.LC-?!POM?^T=P=[S(ADO9X,M2M5N)N>E>J62_W&PO=V]R:W
$X5FI2,B5PE2%.=;+QH/?;63?)TFOH#6Z'Z5V6C/N# M.TC_T/,4WH_)I*#RPV5+X7$:U)KN5'UZYU4^E=-L%W&N Y7G!"GU_?W3?Z_+?NOB"""GG61TQR&Y!E#34$B!"GG
MU,S_3"92"8R,OXY=OM(=-'>M<^E"KLB47MF8+)**#;4[O_SDMIU?3U@>U)8' MI[1WLMZGJ/K^]Q0&\$P"&\S>,SVDJ]/VPX_.:NIQJ8#/L"AL:+FF\ [\&(? Q2%]X]!VK!$:3L1T :3,
M,4TW6'Y6AM4@@B"$\P#:H95A-6#E'+P(?!?" +/NJ$%:0P.))CRC$=!+IV M@!N&X"+8=QWP?,<:H>X@LTHO&.S+ MXP6U9KS YU"GM+E=?W@MB/VXX7HAAE#=..3S8UL]%W,SNX'V!
CY.ZZ?W<#^(,E*QWU^EG2-MU>C0$3A[]GT* E56W9=J6";92R#\%?N@SS"A: MT6;-=;A\[IZ25^EJ'P=/__++1]9@9\AL7M9^F)H'9#PS>2E@.S" M\^M?RX0DW*V7$RI@1'7+J3^IMYC=-41;N
MC],81)K:Z'FQV1$WM5X7ZZEKD&&TR[,7T;%D:QVTETLJYJ:)EC#EZU)5G68M MK?OTI&I/7[973?XM$7,D@HZ0ZB#-<(&437.U8?B*].L3KC"UM=,%_A?@P]J M-M==GG*O]ASZ@_O?2^1=02P,$%
@ $X_6:5 $Z[Q! [0P !D !X M;"]W;W)K&ULO5=9;]LX$'$ 4*W:$:$B*[XM]8"S;*SI$$OF[-ERF^6W[9-_IM+3-*Y2OIEU-1'F*P&U=P2;I<:U.M(J47O!1"P≪F9-M=U5.F4
[LA4-OIE)57.#2S4?ZE8)7CA070U) M&";#FI+>-_]IW>Q=JM"^7IBH:<:% +^N:J!'HI(W!U[DK3(?1WA&S\D[@BJJPB-./K2J?7'VF!F.U]G?.=_3EFFMQ+=N_RL(L M#KS,@T+,^+
(RE_+F@UCY$UM]4UEI]X2;3I;D'DR7VLAZ!48+ZK+I1GZ[BL,& M(_L? 9-5@#B[NX.@K#1]LQ/CJD.C<65C29D8A6]+Q)C19/S^ M='QV!9?
CB_/+JX]G[\&_XM>5T#O[0X/ZK=1PNM)UU.DBC^A*X%0V9]%AW!2B M^"]*B';UQI&U<4?D285_+)M=H&$)"3L"7VT=Y8Z??0Q9\4<\\G I6BE,F4S-MA[VK[51F!K_;'.WT\V:
/ELJ=;/A4"M:#%NJ;\$:O7D1)^/8)6UEO*WM* M^VAR_&%\\NG/,9R_@Q5)DVTV/JWE:B$&,UEAZ5EOC646G+&-T3-5RF#90MET MQ=W5V9RKP@DO!!S+NN7-]U8795958 M",Y#0ZT%FOD22!
[0),,)"V@4V@U"%.G',>S@^_9__ME-89BP>7XIMHEL*)1F%J11$2XQC;AQ]1TD.2@*+BO!5XLHV57TFM=S"04UD+ M\%.2HV@:,?"9/2>,7K]BV(MK\NR=26"B-_J8O?
UA+%CT7$S[L5_DR5*@HCF7>@S-V;6-9]D=RPE09K1#98H M0JQU49#FEB#*"+%H7(^)@S#)'Z>)N1C3A,)KGQ"VLSJO8P@)#XBE_!&JUF!F MP2'MP6D>=>
HI#]#%TWLTYJ>YAMQ)B1]E]I=H^J-VYS\!H^ M-J60@-U@.0 MS4#SRBF]0DW-GA+L%?!&?2"#TPTI)5X/<72WF3-GB'O(;H4P43@QM= M1___7Q9E/A^!\
[.K\:8*7NPY>LRQ0Y1(H,H]O\U)UW>_E)K^LTN=>]\-L1#& MS.4W88[PB+F>PM(^62/MR1]LL/B+0/6FF4TS[&B8-B6"> TRJ$E>3Y'Y'H.%S,S5RJ?
J@eLV2D[RR_V$_NXIT%>9IO MM/(H"$.[]BF-[B).@S1A3T0\L>SD.;-$881>KVL\0NU)-V$DW!+R)'9-##>V MI@U<&H>KYL#(ST0\2=<1[[IQ'_P!_3^&ULK53?3]LP M$/Y73AZ?!0-IP?A286!JIM"
Z:5!1V!ZF/,CIM,%P[& [+?OO9SLA*E)!>]A+ M%.[XNK5^@ M>5:S-<[1/M0S[3S:LRQYA=P)P4'C:DA&\DX]$?AX ?'K=FQP2M9*7HG- HLK&=@[K?!,0KAB5P:3QTGZ8_TP%W[A?
TJ:'=:%LS@6(F??&G+(?E" M8(DKU@A[I[;7V.DY\7R%$B9\$8=O&GIX1*!IC5=6!7085E^V?/?=UV-'$@S< M20=(_A60=H!0.=IF%F!+F5YIM46M(JV; X(M0EHIX9+?XMSJ]TN=SB;7XSF
MTSG<7L'L[G)^>7,_NI->WL#A!"WCPL -TYKY0A_!9WB83^#PX @.@#NX+U5C MF%R:C%J7AV>C17?F17MFKL:9WQIY#>>"9(H&>R!C]^'3!P\#C-T]=PZM3W
M)4CZ$B2!+WV#;U04]J&6RS7,E. %1P-_1@MCM7MCO_?):_D&^_E\WYV;FA4X M)*ZQ#.H-DOSCA_@T^KI/[\B>R4]:6G[['G8V9*<&<)A3?PJ>$;)E#:O9?: M4IT%*C\<GD<16F&0PO=V]R:W
H965T>HDQ^;GOZRC!C.FVS%'0 MFZ54&3.T5"M?YPI9[$!9ZG>#X-3/&!?>:.#V[M1H(N3=\>F+MG<&O M'#=Z[QFLDH647^QB%g^]P :$*4;&,C#Z6V.(:6J)*(P_*TZO=FF!^\\[[BNG
MG;0LF,90IIJY;*YAJ]&#&\>L2,V]W/R,E1X78"13[7YA4]D&'D%-C*KP!!! MQDT9Y$Y6>=@##$$\SH%L!NL\I_1< O0K0>P9X,;1^>C_J(>3>"N"D^Z5VE[@}
M,VPT4'(#REH3FWUPV7=HRA<7]]L[,C*WC'!F '^\OA[^P:W5S"??,R97YN/\W"V70.;R=H&$\UW#"EF#W?=_3/,XGV;U.W@-M7,!#(@O-1*P'OJ'@K L_J@*Y+ /IOA!(#ZZE,(F&J8@Q;L!/#N-
/#^!]2DJ= MF>XN,Y?=@X2_%*(-O>-]=(-NOR&>\.?AO28Y__[]#][?Y*,7GU->HZO]P+? M.(ID(0P7*[B3*8\X:OA]O-&T9?*-1EWS]9CY;_E3>-*HU>]J,W MKSJGP453JH]-CDFV?1(9$\.I5\?
ODA0"RBD"V_S#TQK/H]\"QG7%$5-Y!* MW?2@1EHQGCM'VD/4H&/CK-5Q_UV+R78OI(8LG4D]]J<'I8@MFF_.(>G6JE]S M4@QZEX\Z#Y%L(6K#:3._)[(U788#
M[="R1E$@<-TP*\!_(D/*AD4J3!VN]--Z&ST_P!.$B2@MJ'+:+O7GUH=L-+D+F[MBO16Q@EJ'B)6,D]\(30AZTE03X]*!H3^;'6VA_[93DD@B:B7!% =MJI MPZW@6Y>=LPL-":=!0-E+X.S;K?
T,%;EUK=VIU[0[3WO$5"F*BL#I+93"N-U4 MU(YTS\LOW=\;3C)4*S<5:G#]I&Q]6X]>([=O/5L_[)S'G8:]B&ULM9M?;^\>&%6_RHA6U:ZT#?8 AJ0$*<$S:MHF69&D M?
5CM@P.38,5-V+$==J5^>X'LZ4,2,+Z_:]\[.AY.9L;K6#XE2R%2 M\C4,HN2TLTS3U4FWF\R7(O22HW@E(O7)0RQ#+U5OY6,W64GA+8J@,.A2RW*Z MH>='G.
(2/%PVCFS3WC/R@.*_[VQ3K9>DWR6[F/XZ?\ MS<7BM&/E5R0"4]SA*?^/(NI"(*W+RZF7LO$=,X M^,=?I,O3SJA#%N+!RX)T%]]_%^4-#7+>/ Z2XC=9E=:'3+/DC0.RV!U!:$? M;?YZ7\M";
4H3GL +0 H,Z"_(Z!7!O3VS=_O_K[9AB4-8-F@+,CP"D#G*+V MFV(5E7:JU)N,9,PF,C];T?(71;N*;%5@AI'UDTJU:>^BDLGT^NK*;NZG9W=-M7EQ?D6M.IC/F7MR2V<7-
G^2=*U+/#@Q)RY4GIY4/@/?F5W-VXV-W/[\?=5.7/M*=UYF>M\DXONR-4CEW&4+A/"HH58M,2[YGGCM7ANCK>I =!5A:NJ1U^J=TZ_MQ#^RZ(CTK^$6K3?
SLQ[)S<[@KYBK<;@O7:MFK1F*OX/5V MC<0XFHLHS<>94IR9GSR13W^I<\A%*L+D<]MPVP#[[4GV[%^:VL5$N8B0P]XR"8UN)^U>*^B3Z9>LF2>-&"S/,7XDOF/WN! MZGG2UMP-:EB@\N?
C\\2VK)[ZL<;=Y^W&&7,>VKA]LS)D5MZ2M6_1P796K>"# MJN-#8\'O(C]*,BD6Q-OC+$K;ZKPA#?/0[_K[*QD2'5GF_G-R9D[?D'.A)M1([-M58D=8XG/-C4Y\Y1T$37-(XLXNT\?LD#-F.9YP5M'MO-
=MWO.]P4WICVTX'NE-M9,B4_+646K6'5;6'YFJ7924S,1=*/>X#03Y=BO!>R,_D7W*M'A?38M(DY/;Q-MZEC;0Z8\K:U3QHLY]-&#A+E(&$/". BF#8]1-3Q&Z#G$"EB),Q%PA@2QD$P MK<7'58N/S7,
(K<52M?@#60F9'U/?A-LZ,.0=VF$DS-W-1EL2-1WU!L.&*B-3-M\M:40Z==E6VK_A9I-8@NWZ[C2H,3A#";+^?0ID)I+I3&H#2.HNG#9,MLL-'Z-M7!)1G4,27-B-06D<1=,[3>M.4[!,FX$'-QI)M+>
M#JFN:1,;^!7_5:E>2B' 8@WU:: T%TIC4!I'T?2!4ILU=A\NUDA79 JEN5 : M@]QXBJ9WNG:);+-]-Q1EHS4RC-A=(8E,9+6N-!0D<[1+TVH6RS"S43SR+1*M!#D7T7P9>O+I_W1%S-=R4QJ
TCJ+I8Z2VSNPA7^A!AB4YD)I#$KC-M*)K>Z=H%LXT.S%OT?-1J1=^&)}UZFNW8^FEN.VU+Y. T%AB9E.Y(V])RCDNJMJ2TG:K:P-J7HF9?RJCH/,XD6-'AIA:4YD)I#$KC*)H^
M2FKOBSIP08+FE=_O4'0H09626O^&Y-V%1WJ3$%I-M'$73.U@[4]3L3-W=D%LIO"23W\BY'P3D1LPSZ:>^2,S2#%VF!:6Y4!J#TCB* MIK>[-L_H,5R:H0X8E.9":0Q*XRB:OG>C=L!ZY@5@TSU6])>
([27!QZ.VM>;F-M7-?OQ=@S+8.FY2UI;6JWK3CO;FW?4M/6QV*C74**91J;_3/5T6HSWUFOA:UQ-M_-P^F=HMQUW[A&VVZM7S<[!2T\^^E%" O&@4EE'0S65DYO->)LW:;PJ-H_= MQZF:4QH-
H2.?D/4$a!!0 (.!. #5D9H5&\ M&N6=E" 9->&PO=V]R:W-H965TN.7!'SZG&%;?\ZD0!0EEQ?HQGR7Y66]:%(N3?C'3<4]RM^F"Y&4 M?WE,LWE4E&^S23]?9"(:UTGS69\XCM>?
1W'2&Y[6QZZSX6FZ+&9Q(JXSE"_G M\RC]>2%KF?2-9#_=>#MS$DVE1'>@/3Q?11-R*XGYQG97O^AO*.)Z+)_3!&7B M\:QWCD\X\ZJ$.N)K+)[SK=>HNI2'-/U>O;D:G_68AR<9G_HK'Q?
2L%_306#Q&RUEQDSY_M$.L+*)WE]4_TO(KU:0^EGF1SM?)Y1G,XV3U._JQ[HBMA)C3B#K!*(G ML)8$NDZ@75M@ZP36M05WG5!?>G]U[77'A5$1#4^S]!EE571)]U[4O5]GE_T5 M)]5
L#+DS6P1NPC>/U^+E'[R=D^\.J^Q+2)W9?*^[C<^A:Y/!?BC>IW[VNHG2Z/!?;/1&JIDM.9-4L[JQ$@+RH2+;A!#>\&,6E&?R)GP9DRSGF@YB(MN/#?%2<8J2:$MZ@#=@A#:8PA
^:$]W[/D]\M>V'0%>_KE,WB+J_(:(0YCA^Z[MIU/3Y7R_UOG1K2N=03?C@M8\VL+XSR:3#(QB>K[.7U$_^)!N!OGTL0%5 M(>;YWZ:JK[C,S*UT[R1?21' QUBN%+1?9D^?_T%>\X?
IBZ'A(60, X$4XK# M-L5A-OKP+BVBF:GO5VE^G5;]BW@:>I2YI_VG[3YM!KF.-U"#PF80QL3SU2AN MB**^QS91RM6YFZMSK5?'$Y%-?JJOG\3\063&,68%[#O&(&$A)(P#P90J>)LJ M>$<2
^R.)"P$!+&@6!*;" NN%G8LLK;O->OM;&?N.,$A8" GC0#*&(- (09'NOT'D,6!- MA(60, X$4XJ#*#3H-NM5.$4YS!_PQ!,#!P !4P1&&,!V89
MP%NV!%LO\"H9E^8GBZ.950GLE'U'&R@M!*5Q*I:#R+K08ZD?VLP5(D@:2$H MC4/1U!)QX:MGL.B";1YBP:,Z)K0C"*.X^BBT(RBKN_JHM",?HD0&B(HQ271*:4931EJD"+(T0WN$$LBC)'T66
MB3%*GT2&[N*YW3S8@7L//DA:"$KC4#2U-+*X>!8^@!J\$!I(2B-0]'4$DF3 MAZTVQ:(/@^8_<(U]*$911VB3R4:H@:NCW5]:$9AQW>)62"(=$IDAU.R"@3Z M%W68,K0WL>]X!*6%H#0.15.+)5T?
P4>2#)]!$%I(2B-0]'4$DDC*PNIETR MUGG*QP*]J*X8AR/=TC]&%0 U!E/A>BUQ($T5VF*O+#/%2(=[''[MU%N*H4<$^ EP.'8 E8&E+7N0O!%)8!&EH^[.M\$4&PU!$!&&L#!7D0 MI"&7PKR`#?^
T\75=,)]5B4X@T8F2'$=LE*QWG.^W-[#UH05?70&DR-[#TC0)3E0&H>BJ3NFI-6DSI$T@X(:3%!:"$KC4#2U-M1-)@4ONR8JMFK//494Q?_RQBC-KTA5-#%'&HOD9BBF)MFD&E/Z,[_F69D0%
MND[CI*AW:NZ:%[5S]QZ#H.MTH#0.15,KM+6S\FA;*V'W5L)NKH3=77D,5TFE-MJZ0';K!DAYK1R8%=8V@M!"4QJ%H:HFD:Z0'[LNDS@[L@PQ;7-T M\[T%Y_73^MKQ"WQRB0W'0WS"5]]*
/(&K+TGX%&63.G13#R633EO-;)LV>I[M!U9OBG11/UC_D!9%.]J?3D4T%ED54/[],4V+ES=5 YMO?QC^!U!+ P04 M"-3@ U9D*F0^X0#_#M"P-&0-'AL-W+=O43&TUE(6-[8MTC7D6%RS-M
JAZLF0\QU)-^\,$9Y9GN.$]HY)M2*F;MGD<#5LJ,4+CG2)1YCOG+ M+61L.[1<:[_P0%9KJ1?L:%#@%20@GXI[KF9VK;(@.5!!&$49>"]U<"O#"P#NHO,8(VQQ-&-LRWB>K=2TP.3 M&V.M:
C594PD5T^)LI 1$G^.C)_N)NC+1Q1_21[1:#9&D^1Q^GGT.%&CT<-L M.OLC0=,9FOP=3Y)$;[R=WMV9U?=CD)ADX@.Z0D_)&+U_]P&]0X2BQS4K!:8+ M;"EBE+[LM,JHMM=1 XK$?U9TFOD.
[\AS_$Z#>9QN_D84F7N$6;\V-Q6N:D3 MY-4)\HR>_XK> VR EH"6G.4HNGEI]BQ-!(LDUBDUQ*\ 1G-AUOJMPMWI=YKU M]J3&]$05.86BI155G*^6TL>0[X:X1UC?:+)G)=Q^D/[,TA?*0"^$Z-
5RG%6XB)%&W M@N("S"FAJT-.G49PP!%$9QBMCB[$"&J,X TU4BCBURNI- MI,$9J1N&;N\$M368"U"+&C5L1;TE66:P)$,+!=I$$9Y17+G]HI$'=:L59'5W! 4-
US**_?=4^86KU>R-2KF7JM3&-8 M@KDC>'5[OV=R A6 ME23RY;BZ>W"$A8!F_/XYOA]T.B?\%T?8PN\Z/WH'YR>7S4\Q*H6C>R0(3C&J M74??

A]#YL>LXOH/>QGU;?/LR$&@.TCUS'SC]T[NN85>G[_1.@K0/>C'=""_& M?$6H0!DLE9ESW56IX+O>1K##MV9Q)U4V8X5KUX\#U!O5\R9C<3W3'5W?X MT7=02P,$% @ $X -661G+139 @ 1 D
!D !X;"]W;W)K&ULK59M;]HP$/XK5E9-G;21%P*=&$1J2;9U4FE%1_=AV@>3 M',2J8S/;0+M?/]L)&44AZB2^)+9SSW WSSD^#[=7VWP(0YT="NW8EHR->*$@9W M LEU46#Q? 64;T>.[^P6IF29*
[/@1L,57L(]J-GJ3NB96[DI F"6=(P&+D M7/J#I&?LK<$#@.W<&R.3R9SS1S.YSD:.9P(""JDR#%B_-C &2@V1#N-WQ>G4 M+@UP?[QC_VQSU[G,L80QIS]
(IO*1\]%!&2SPFJHIWWZ%*A\;8,JIM$^T+6W[MH8/2M52\J, Z@H*PJ\HV?*AWV)JG&1!4@. 0<,Q#MP)T#P'](X"P H2O]="K M #9UM\S="A=CA:.AX%LDC+5F,P.KOD5KO0@S^^1>"?
V5:)R*ILE#,IDE:)J, M,[],KK]?WT[0>0P*$RK1! N!32'?H0]H=A^C\[-WZ P1AFX(I;K.WFW*IQT>0ZKA_E%X\GIXT")&M]X/7('&-M6FBA?V6])U6.QG8W@D_+^?2KO]]*G_)'S;SFV-
O(%%"FLBQ2VL4W'4F^8-5/EB5"OUBW_TG:Z M@_4K?S#V&]9C?44H._H_^O)^<8/%DC")*"RT*Z]SH0,69<\N)XJO;%.:4]P5E (,0& M 9 >&PO=V]R:W-H965T<\^)\ *9WEESD6.FI6-
FR$("S&I13VW.< MR,XQ8582UVLW(HEYJ2AA<".0+/,1B:\#[@E42$-6_\U'Z'+8 ;O /P6H#WKP"_M!?BUT499;6N,%4YBP2LD3+1F,X/ZV]1H[88P7D_'=]PFZ MOD#3J_O)U>WU;#J9H\,Q*$RH_(2.T-
U\C X//J$#1!BZ?? 28I;)V%8ZOV&Q MTS;7>9/+>R?7MY(=(]_YC#S""WK@H_WP,;0.[M9P_S7;:02NB?ZU>?OX8PZ";#OH M"?+#OT&OE 6=LF"OL@==]4>$'16"IR![M34$X59: W*]'6T]05XPZ-
<6=MK" MO=HN"".ZU#*TXKR_,(W60=NN*.L)R8,^X5%G;!HK[!;KC#MTQ.].:$@"@<[-M@GJ"@C#8461O]1C3WW]@L2),(@I+#7..3[0AT?3,9]X4;>=!5>ZB=7#M;YF M0)@ O;_D7+U,3"?
K+J[D#U!+ P04 " 3@ U9WL"@W&T" "8!P &0 M 'AL+W=OE4E97MFV2#,HL.BP$JCJ63!>8*FJ?&+F+D@.>&U&1VY[C1':;62 MV+2->1*SE;GN5:KPWW9)E)W6 G<8F7, 'Y4(ZYJMF_MRYP40
5A%'%8]*S/[E4_TO$FX)' 1NR4D2:9,?:L*\-YSW)T0I!#*K4#5K\U M]"'/M9%*XU?M:35#:N%N^=7]BV%7+#,LH,_R'V0NLY[5M=-<%GB5RWNVN86: M)]1^*6BA="/R :1*[AJYOR^W%7,#
[C7@GO'S#X'3-5#)^!8]?5-= M:"BA$#_;L"]?H U'G[(K4>(4>I8Z1@+X&JSD_3LW8T?I\@ '339"KT(-MZ.D.BAGPUL4XZO36Q3B1V1YTV$"')]I_X2F13V2VAQPUR-'_[+_HKZWE=AWG MC_UW=
(2WYF_OW)OZS;K#?$FH0#DLE+W3N52SQ:MWH*I(5IJK=,:DNIA ,5-/ M)W =H/H7C,G7BKZ=F*&Y @ DP8 !D M !X;"]W;W)K&ULC55M;]HP$/XKIVR:.]DE(;QU M'42"TFZ52EN5=0M0[8-
)#F+5+ZEMH/S[V0YD=.Z+XG/OGONN.1.Z%^3&%&=AJ_<.=$U6:"P*U.I.#'65+ 0%PI)YH,X"^,H:H><4!$D M73]WIY*NG!M&!=XIT/.B5H-D,EE+Z@'FXE[.LN-FPB3;D%F.$;S6-PI:X45
M2D8Y"DVE (737M"OGPTZSM\[_*"XU%MC<)5,I'QVQE76"R)"!FFQB$0^UO@ M.3+F@"R-ES5F4*5T@=OC#?JEK]W6,B$:SR7[23.3]X+3 #**IGV7UBN?:, TKDVDJ^#+0-.1?DGKVL=M@+B>$] O
Z(/>\RD6#![@:(B&4*,A MABA%G&"?X02N)1'0GRE$NQT&C(3+NPZ4.(RE,KN%"9)B]C0]M755Q\:X07P0<(Q%#1K1,<11 M',/C> A"S\?P&U4HC4\,F,/KCT"C$QD"1#TK5)B5DI#K"S;]JW)48')K7YO
M@YZN+29<&>1ZIU(E@>9N NZFGNF"I-@+[%74J!88))\^U-O1UP/E-:ORFH?0 M$[_=A:(BI05A0+B<"[.+9 G3\3#N]B^29L-V@Z@;+G:D;U7I6_^1GJS*LX:* M[TI]&*(=9"A7?
%HO\OC&+@[DFP%5&A#&"MW>:\B[7\4.6VTXMUZ="H>G??U MH,(J@=J /3^X*W.)\64KY!Q1P6.>%;)OS95: MG BVC.>8,WG$%UC0ERD7.5,T%3 ;+@2RI
3EF>TZCF_G+"VLH%>N78F@QY<[$SR%F? VW6M,3PG4ZFRN]8 >]!9OA! 7MXDK0S&Y8DC3'0J.\ M ('3OC5HG42^MB\-[E)?4T3->];QQ8D.&7+3%WS]1G6^^EHOIAG MLGS"NK9U+
(B74O&\!E,$>5I4;-98Z[!(!XSP*T!I^_]C, KP9X^WIHUX*V MOAXZ-:#E!J7Z))KW20M?)1 GZFA).!9/1613> M?HG@\A,,!Y/Q' 87(83C+[3&[(?GQQ"F]"5"S-Y%MX#W+.!,J>K2A
[<.ZV"&53#N,\%X<,X+-9<0 M%0DF!GRX&^_OP-LD3*..^Z3.T-U)^E9'('GO /7<==N&>$;[PSW3=E[F/?IO M[UMB>$VI>"6?]PQ?Q$21%C,)5RA@HE,,WP;W4@GZV,^;DEW1MDBPZ$-E63MI-
3MJ[V(,ADVD,Z_(XQ 38 M"@6=[A#S/*=3N/H/@:X'J5B14/,:H\=$H/^EI9!?YQR__0\7OV:C,#!KMN M][C;:6_;A48^K^5VM^TB(Y_O>)W&;DN23B-)9Z4#-)W2;01\"GRA M+R4)I
$LBQ5*K14IHT0:ZR&=LOJ=GLRI!5/Q'H@G/!!/]'*>K=3X36K\ M?Z>&]/ZK7ONS M;P(_D& 9 >&PO=V]R:W-H965T\[U.8YODKV0&U4 :/10,JZ&7]%U=8VQR@LHB;H0%7"SLA*R)-
J$X\2,K@MM)W": M5&0 <]#?JZDT$6Y9EK0$KJC@2,)JZ(V"ZRRV^2[A!X6].A@CJV0AQ,8&]\NA MY]L- 8 <6P9B7CL8 V.6R&SC3\IM24M\'#\R/[9:3=:%D3!6+"?=*F+H3?P MT!)69,OT3.SOH-
'3LWRY8,H]T;[.C4UROE5:E W8[*"DO'Z3A\:' T 0OP (M&T!X+B!J_&Y@+@!.*MQ+<7YD!%-TD2*/9(VV[#9@3/3H8U\RNVQS[4T]]3@ M='H[FDWN)U_F:'H[0_[T>P6O7.35=W$UG[_2UJD@=0\]
<6@5R!U[Z M]DUPZ7_JLNHUR;)7(GMB8]3:&)UB3^=:Y!LD*G?U33-2FO"E\;7+P9JIYYAL M$]NE@V@0A+T$[PZ]Z4B++P?]9VG9<5KOZJKG^VW:$SUQJR<^7P\\@,RI(@L& M77KBHQW$P?
%&QR<+_N]9']<,K_K'JO%!'[%-_QN1.\H58K R0/^B;QADW4CK M0(O*M9:%T*91N6%A_CT@;8)97PFA'P/;K=J_6?H/4$L#!!0 (!. #5E% M6$G[2P0 .@8 9 >&PO=V]R:W-H965TV =MBUVQ-8\3)-
J#8"\:B+:&2J)&TG>[3CY04V7J(-MX&0$\B:6J+L?>;SS/SIZM"?T.PLQYN QB5,VUD+.LTM=9ZL0)XB=DPRGXLF: MT 1Q<4LW.LLH1D'NE,2Z91B>GJ HU2:C?&Q!)R.RY7&4X@4%;)LDB/Z8X9CL
MQYJI/0W<1IN0RP%],LK0!B\QO\65-SI%26($IRRB*2 XO58FYJ7T/2D0V[Q M1X3W[.@:R% >"/DN;ZZ"L6;(%>$8K[A$(/&QPW,O CF 3$\)_&?
4<##L7:A@0"OT3;FMV3_&9H,3NG@G#J#6SKDH>M% M[/G&^8BCR8B2/:#26M#D1,[[N;?8KRB5A;+D5#R A!^?+.>?H7__!8*;3V!Y M=S/_'\AN"]CSF*8O8!? 3W2Q^\?
_^>GN=E:T('&:8[K$U^_LGTC%^Z4J,2YJN$ M046P6A*=*HE.'WUR1T12NO:^8.1OCO>TBX,JV[CMVU)R>^.:$\8!68-;O,/I%H-OUSAYP+2SS'I)+RTSE3!?)0PJ M@M72X57I\
Y8*SR5250)\U7"H")8+8F##HF#UVE%X>8>?W\O&E+1-G',AE*T M309>0RC:)I[1K1,754P7O3'=BEU"=!7F=><+L8A)EE=G69"]PM&+?FG-J83Y
M*F%0$:R6GV&5G^$;"\=091)5PGR5,*@(5DNB:1PZ">-UTE'ZU82A^9K19>,V MQ*/#9MA\S>BP\=QN^3"/>B2S-[*EZ&.C=',27O2C7EIK2FF^4AI41:LGQ3HD
MQ7ICU2@7H"J5*FF^4AI41:NG\M!DFKWM3X]RV*UOL]52CK:-W7SMZ+!Q6\K1 MMG&L9Y3CT'F9_:W7KSC%%,5Y"4Z#)$HCQBF29V.GB4DO_<45J)+F*Z5!5,1Z MG@Z=I.F^M9@H[4"5TGRE-
*B*5D_EH0LU>_NC'Q6D<0INLVU:3#J/TBTC:R M3:.I)VTCRVYV,OK1R6V"Z28_,F=@)4NJ.*6K1JMC^6E^& T8GYF7<[-CW)?' M^/E)\0%?-_9PC>@F2AF(\5I,99P/1-
IH<.Q>W'"2Y>?SDN27(48!IM) M/%\3PI]NY 35CQN3_P!02P,$% @ $X -6=3G\9O& @ + < !D !X M,"]W;W)K&ULE55;;]HP%%/XK5C9-G;22$.X=1(*2 MED[KBJ"7AVD/)CD0"\?.; /EW\]V(*:R+:7Q,?
V=SF^'/=W7*QE J#0:TJ9 M'#B)4MF5Z<;D&L^ Z9$E%RE6.A0K5V8"<&Q!*75]SVN[*2,"?JV;RJ" M/M\H2AA,!9*;.5B/P+*=P.G[AP[9F25*/A!OT,KV-ZBF."AVY!4M,4F"2 M<(8$+
?.L'XUZIGY=L(S@9T\:2.3R8+SM0GNXH'C&4- (5*&->O?%JZ!4D.D M;?P\<#J%I &>MH_L-S9WG@GO;B>/X1@-G\/9\#9$ MP_G\Z7[Z>/?P;8XNQJ PH?)CWU5:UZ#=Z*
QRC7\,QIM=,^92B0*60SQ6[RK M_1:F_:/ID5])^&7#:JCA?4*^YS?1>^0BF6 !LH*Z4:Q'PU(WSJV'(;H_#A51"GZ4?9>N0]SQ7.FX7S9A5[,%<\6J_,D C*K.7@M@6;F[H-FK5.J^]N2R1,A62K4C)\
M!1$1">=56_^AVBY4VY6J8(E,; 8[0G0N$PUQ_=.5+URR4XAV?E+HIFN(O(M,#G%BE"B]FF6ZGJU:YU.N72WD.Y62L^(7%\N!0 B3($^@H)K$H7.R?JOI'W MFG6_W$"O,-#[M]PI60*Z(SM
8OR.E#-U,Z196?=/:E@*8B5K=,217S#5%[, MBM[B*1CF%?#W]/P=N<=B19A$%)8:JC= CT&1U^8\4#RS]7#!E:ZNMIGHYPR$ MF:#'EYRK8V $B@O&D8!2 P JPH !D !X
M;"]W;W)K&ULQ99M;]HP$/X_RBF/IDUBY(77=A) M:*ON%52V]<.T#R8Y(&IB9[:!5MJ/G^V$D(T F[II""VX[M[SG?G7&^X"^U8 M(DJX3V(J^M92RO3NIP7,CL\1/D1#-J5&6-ZE5
M$/58XPCC6&M2'-RI59A4PN6QUOM5\9YY?WEW"^C JF'\>C MMS">?'P]_C"%P>W@YF(*$R]0DB@6+WJV5/+.TEWDNH>9/N^ [C:\9U0N!5S2 M$,.?Y6W%66=X37@*^H(EX2CRQQ$5+C>
(X&L9*X"]QM:$4OARK,(8Q8HG?$),] \X)7:#*1PFS!RCOFY 'LSS8$![68)Q] :$&*RDD MH6%$%_#EAL4QJ#S2>[Y6'67&U:SFTK5Y+E(28-]2Q2>0K]'RGSUQV\ZK(UXW
M"Z^;Q[3[4\F".V!I5B<:40#;T==@AHN(4NW(C,2$!@C?*\\PWGI-CJM T"= JCSN!!BEHB_$[_?OP:7=<[$+]N0=C]'Z55@UMS\ZK= M@S5R]26!RWOD0200)CQ2KGX9S(3DZOJOK+ON/ZB[L^)
(SHX&K2 G.3ENR5-# M?K(&=U=@E6N9\78YCG7W[*=?=4A=9_?UC$!EG_L=N>M7'O"5=I*B#&N1)U5 0MX%EGE$TD2TTW,F-2]39F MN%3=)*]0;V?,R:W$VV@Z$_]'U!+ P04 " 3@
U9'MX0.I8% "((0 M&0 'AL+W=O![%,/I26?)>K8<==+9DD8D[28K&HLCCPF+"!>;;.&D M*T;)/L4A0YT7=>)2!!W1L-LWX2-ALF:AT%,)PRDZR@B[/F,ALGFI-.U7G;< M!HLEESNT4/N7 \OJ+]!',
TGI>1+^%.,I47A)/1D"4;P.39PI]].[V^N+K^,0"C/\>WYY?34_/ MY.')W=7-]13KH&$QNK\[%KG<7E),@3-V'2Z$2?/.3(DXRT7 M&A$^^)S$?]F"<3RG\^WQC@BHB J^1'4&C0;_6,==@-Q# %V(P?WT
KP[> \. M@ /2)6$T50N#)U3,\H\X1\X^^4S8*4@@@D+9A32_G8E"GH,) M>187& >GC$G=1FEE9/@'1-8K(NN]+16K3' 6 MTB$0;8.@\5:CP"Q6^AK8U:F52X;]2T:]6T2]4 M]TJKM>R^$#R")
(LG2D0'3GE))\E\0+\6UG_N93<;J\\(;TC'_J]0P*/0 [M/8=@DS5/49'DB3(!]'O)5&DUIGH#$STC4) :39=_4=%6$=[#8MN%4=5*+D_OSS]W5[Y'NN;O)N&YV!F.) @'8&GDBX MIJ(^#BJ;N-%)]=4-
#+/LE2#E-=2O9I(\A-18SLIPN9ZAUX<]MV9*H98$[259 MI5XYW,X]KLN]!I1G)M0.H6_O06SC+G7O/*,T*@F[-TF,1+6;-,21)XFD=?[MB9#UC!RT#4X#SK,AW
[.*IOEXNYW7:^FN#7F/#/GK&BK;)9QZ]7U PTXKP7A MS"UJ\+I%N>*O1I%FD[=?.#5C[@[G2$'WZ 6ZWF 7=*'&&6R%XO>JQR6RW0 M=6M^A$'-+=B46S;<-3MIWGNAAAQL
3EC42O#;RQ]]J&D&#,'.)O6H2>HUMJ 9-M6_O!KMF)1>HUPN-;[Z:VL+MDU'QK:[9]R2:HV03]GPA>: 2C;7 :=M &=CO MJVSZ6["K)2_4O(-FWEF15]G<(B^J4:(Y!UMPSMRDCEXU*0_5=RFD
87V"ZAF MZ WA_ 6]L$ OW(5>I(F&6A'-HO\JA_\K4!_6Y$"S"S5EEPU[S4Z:-V!4>K#8 M@G3&LE:&M\H:BEO>NK+63$.MF&:3?%R5_+H"DC3"YGIM1_ZFIU8)%]S#+WQ M'JN,I\MDS5X1-
DB^P0@%=?Z.N;Y>_)B M,_&9P6G^M3\DG"=1MKJD M9$Z9/$$DC:CHM^2*G%6FR&CEL.I(),N^Y##G4 M)8^DP1.39[I$B(&7.$KH4LRMKK2=3I;HAC2%EZAA\RQR2&C^2A4Y7!,$@
M"XHCW3*,CA[#,'<07;MGK@#O&91F#N[N@ZCB'9C5@$$MT/-U/87'L+%DJ47 M'=>P@LT1>QQ=4_XF5ZB!&&,AKB!'T'VHC\JWLH"VB7\<0;6&M$*1#*><+X M.3VY#H:D?
8(16C&4@C(_VW0!$51BL3[\.T U(_^2S9X/I@G2-$$ M1U_"@"V'6D\# 9K#=<0>\/975 RHG>+-<$2SOV";M^WV-3!;4X;C(ICW(Z3 M-#]*8BH!7 <<8!5!%B' CSTCSH,,
MN@_"MX"DK3E:>I"QGT5SOL(DG2A31OBO(8]CO33W>3WR_%HZGM@/ YWQ/J1(^JS(\$-3MB2 C\)4""(]^3Q'4F\SL=>$F#M"1A;4L#!2UDD+V,8%L S+$?1G M\O9P6S2<_Y?
=__9&V38Y6RP,SS[M=FPA 1=COF-%X)CGDUHC"[GT=<^V2! M>(5@X&D'ZNWNX2Z[/-I"$H"O?W!<,U03A2S8X\OR/.GU;%*]J",S34>-FC MB&R0YO[T@]DQ?A9)HQ+,4PGF*P)KB.B4(CHR=!?
\.PYJYX!F-5%1"_I,:(B M77+(;@:9+BX;U^IT#<,8Z)LZXZ)FUE$S[[A9VW:.FOG'S>Q^(VEC_.UR_.TW MC!^OLC$0^+QEPD(SE]<.Q55@GDY6+M.WS%YBC(V*.Z4%>D%%'_)UE\^O^& M$;Z?!
',8$K"!T1H!/>TI@"522# P+[Q9I1Z91P+SRP:>IS&[D/+X@"@CX2Q@=&O)E%>%^(WO!=5I@LP J1&\!N-$7[VK&CK<6_
M/).0ISZ7S;>F]56E;3):V5U+ZL%.,7H!LI_#)#Q1=^1ISIW92M&\$Q286=D! M?1#G;U#-'@C@3EB&5/4K%TNOO9Z.$5EDWP503OPZ8?F[R?)J^>W!*'OC?G!] M;%Y-
3,%US[SR\R\+*OC\0X<;2+BH%$1HSE,9K2[?Q9'\VX'\A.%5]G+\"3.& MX^QPB6" 2-J_S['F.U/T@3E%QSNOU!+ P04 " 3@ U9G28OEB@* #I M60 &0 'AL+W=O)\MT='&VW?8NOSC+;LO5,E7OX
M7:^3_-]7:f(G8_8Z'[#^^7U35EO&%&<;9)K=:G*#*YMW>?5MO&>Y6JY56BRS MU,G5E_12W8I[_DL\$-3MB2 C\)4^^(!^3Q'4F\SL=>$F#M"1A;4L#!2UD+V,8%L S+$?1G\O9P6S2<_Y?
\RVR5;'JW[G;88-PY"QNBS;-\5?7Z>YO\JT]Q> M#B@< M\,: ?V_@/6(@@Q08%X8Q.!K!+R^N^0W!G[70H:@Z#[H=+H6-0=AWA=AWA$EC_EF M=Y>2 ^2[G29ENRLBLO+FE6A>?
T(&SX_8P=SU;GQ:,9*'.1]5T7*C\]QI=_/AO M%K@_HZQ1DD649#$EF20B:V7;VV?,L[%%?O"P*518HDSN[<&M77R:_7@@Q\7S7 M=<_&7Q]F"0"#<"(,8-27,>[+* '0=WF+L145?
Q\5WQ]5]^JK2F\5"LO.T\P M9"!05$R=P93,R@FCC$>A&90 %"$@6<&Q>K.P,V 72SYW *JE*A1*3)>9G1_UUN]S4 MI0,*T2]0,JPMF31,6FE-"],@F9KAB$\.Y.:T^CTPJLS51;K;<\9L"J_"^?A6
MK3^K_)/S/V?VQ]R)N,Z_P%6[-9A#]V\2 DB4K:8E$U2L;73_T"CL2-6VPTY M5=(IV2)2MIB435*QM9/.==+YP**[,6S-65,1@+(((5G E28O3GCWIS2[N#0 M &J)RJR:R%:? Y8/?? 8N.;. % P85[J(P ,75
3Q XF88H>L=0?$Q+/F;7 M? <4Z0U3N[SDIDLS!/2 +HH0D+,0U)<0"921M+L[ )Q:*S*[6.Q,J3-3P9V$ MGNGX# %Q+ &0LPDZLQ$R ,60W=>AL=3RD=GUX\'E.C/%'/. _$$X86K#". X MZ#S$"
>/S6-H2*9%).M0D4^KVIFI\9B+HFOB4-V.Z N!CC.T,%Z#&7)M+1D M=FUI+]TOYS-[P4ZDYIH,4+)%I&P%9ND8FLG7V/8*C<%,WN),P1D$U"N]V6,^S)*NW-#@ZJ M*5NQWEBV)GH!9OH9
+)P"DHB /2X!YK "(AT@K1[-S1Z6BMRNU8\H%CGIGP+ M&>A= IP(0"<8X"J!A&)I J=3<&?"[NK04&K5R.VJL6^ASH'@@W$$"A+3=E^'QE*+ M1]XA'I]6H' 3UZ$#=8"H<^ ZB#[#Q0
%KE]RR%YU1UY+3=[W5N5CC?>W2:GR M9(JK'6\?9A#2SI2MHB4+29EDU1L[?1K9?&8 YZ&U+CWYXIY\TN[8T, !IUI&SO[(>DA(HJHB&(J(CF$J#O#NA<@[+V_VFE
MD8JFEHY6R_4RW9YM=LUD)SUXF3@E6T3*%I.R22JV+X1]1,@DCO-TFG M9(M(V6)2-DG%UDZL[(>Y_D<WAWORQ3WYI-VQH8!3'09A MO_=NT4P"K9T&>:]IG",A=
()L@HP>6&B.@$*AT.(94%UJJB[XWU[M+<%-#GX 5 MSN@6YL<](2%?;1#ZU=2MHB4+29EDU1L[:-]R"\8S[/ M[)^{T}S*%&RQ:1LDHJMG?0'3S7;VQ*6VML#R\IA[8V!H-:!0%1[R /P (/
MNW=#HZ=UOF=?E-!KXNQ:WVH?X^ SAU3N8[+%I&R2BJV=>RWWO>"8TR7I8@A2 MMHB4+29EDU1L[:3K5H4WN%7AF?T"8Z(T(6@97#=3W(]VKT9&BW=FO#LK0GC M%'E>?
5QDZ6*YVIXOU=GQW)EE>?5K4BKGUVKB;"RL\R7I\P"D,!$I6TS*)JG8 MV@>>#[J]XQWP>P"]"H"+2)EBTG9).:^^TPNA_D#WT>P&YX0%N-BBBB(HJI
MB.00HN[DZ<://_AY!+OE(=FC:NI0$<541'((47?V=%/')WL>PC<729QLU]89 M[VI"0/ NH@@!60 T80R1TQ!H/;N_0*.IVR,^S4,1OOELPDD UKC,$#"8 M(@1D-N0GALC0!VO*I,N5K=7JG#J
MB=')TG\5R6I[#/Q>)3ZI#>HO/SCN"U[]8_=_T0Z'[S#=:WRZ^W[? MGD=VF MY>Z%[[:-8Z9R'[1$[?8VVS_CI'/$_/0UVO[2#TZE"\!? MPOO7&(^U"[N7(+]-
\NME6@5*?:G<<5^$53;SW7N%=U_*,+-]2^WGK"RS]?.;C MC4JN5%X#]M^_9%EY-Z4>8/]VYXO__U!+ P04 " 3@ U9ZML.]8,# ; M$0 &0 U9ZML/W\ZML.]8,# ; M$0 &0 U9ZMKP)
M)$DIRC,W\+RAFQ/*G.FXG%N*Z9@7*]_,EP)DD>=$_#/#C.\GCN\3'R@VU29 M"7YQCEAF27L>7&NHT,8WPVB!_J;U6*@IZSZ)E]K M(PX$FM,N"&I!\%C0?T+0JP6]YT;HUX+^VE<2!29C@7?
@S!7 M:YHY*-TOU=HORLR-LE)"GZ5:IZ:K^=LHO+N)X/T;6$5_+*)WMRLX"5$1FLE3 M.%D2@4REJ&A,LE-X#7>K$$Y>G<(KH QN4UY(PA(Y=I5>C$&Z<1UX5@4.G@C< M@P778 D12S!IT8?
@*F&'WM4F-X#T[,@D[@GP4[@Y[W&P1>T&]9S-$Y\E[; M=OY?]:B'HQ^0T9T6MNBU]ZSSW!"W&C9Q*8(=-"I8981!2&6=<%@+ATXT^#=<* M<_EW6^XK>K^=;HK?
I=R1&"> KFX2Q3TZTU]_\8?>[VW&VX2%-F&1)=A1BOI-MBOI=].F5E/IWA.8[0H6NW KBE(@MMCZ*G:3V=4),)BK.J.28GZ#[J>_[8_?^
MT&!+L.+N6$>6#1K+!IV6+5!R6,6"KA%N,4X9S_B6HH1K%L.G!>9K%*VWS35AH$Q99@AWE9MCD9OA3*\[09HILPD*,L,@2["A%HR9%(VL5IY/TTG14 ML,%A*?"\1V7'9L"H.^"1>>>-
>>>=YMT2IHB9A%6QEC2A^K6\L^9TXE[JH$U8 M-!,668(=Y>2BR4DF0(M? /$5*"VAJ,3]-)\U+3#%Y#@7U7':LCH/T)6!KH'S5Z.NOZ:+EM"S NFJA?\
M9K;IY*_*_O71_R_G/LM\Z'I_,OF\CN^^MM@H+5 M0/%=V6JNN=*:WF8(DE0F OT^0WGZFC@ C3_ATR_ 5!+ P04 " 3@ U9 M1E(O"H[J8U4&]ISU>0BNP\OJGNQ,6,;%5BZN]@YJ1^^NT"P
M*9@DETVE*(;US&]W9I8_WAGO"?W*M@*H&AE8Y MXR2IG,4*DB@M/_%ME8&M@/LZX6!5M9#'>S*P?]()P3ZU)*=R\O@[65P]0$M@NM_
M%A_F5V_1"Q\XCF*&KC"E6);QS[.Q53205]5V&Y@?2;71)4KYE*$A#'@O\ M-7Y_M*?=?%R6<5IW<4ZM7N*[/#U#MO$268;EH[)+'[WXO2NNV<,Q=@_&-Q^K
M04O8B$>0=*""))Z^JD32[WVE*B@@M=&AE8Y MXR2IG,4*DB@M/_%ME8&M@/LZX6!5M9#'>S*P?]()P3ZU)*=R\O@[65P]0$M@NM
MR.FC>U=Y<@,4D342,P[YL(H2L)=&'WOV5%#37NYCBZ,2YI>P00&3K[F=9X_U MW7'&%4W4W7/B&SOB@^,^,+V$&:-UI3DJ"5T"@J7G5"L_FV4FN@+U&4KN(\E,7 MC('X'Q"Q@'
(QFR+.VWL<@'&SXVL&MM=GG(+$C]'HLEE[3+L@GYKB(+C\$1G=PVUSWRQ2Z*ZQFY^ZR-WYJ)P00@3K[F=9X_U MW7'&%4W4W7/B&SOB@^ ^=RIi<UB(TR*
>P@V3J%I6BJ9J41FY)8;GKg@*IW'OP7@\CI!R=XT!(9S8`!`)Q$Y(DNI%TYZ=6(HM#"NUSR:R%:? Y8/?? 8N.;. % P85[J(P ,75
MXCD=PM)A9]OF25TYK[-S_D1=$>^[V25,%\E+% $ M:U3,-Y"*^,9):>"*ZJ14IJOE!:HHC7+=-0"!^E\%2SW:\\W8:CMO1T&G9I M3Y>AY;HGQ<>T#CFRGBX_2W-6*SK]>*LOWDH[265.]*/.G AG
M4[1$F0@V3WG9AZE'Z[;KZZ+9^/XU+R8F1WCOFS3%IW [[L\5YBNHF$0,6P M%E,99T,AB[1LFY8WG&1%7_"&<>'KXG(+. 0]#<3W:T+XW8V>S\ 4$L# M!!0 (!. #5F574O_(04)\C 9
>&PO=V]R:W-H965T-2?93*!![NV7Q. YYW YQS/F>X+O1E!#E&\ZZY_(\-E!-Z3C=\EC(\H_<OE&O(D5574D)%DB_^^VF L^4N3% M4OGQV(V4*?F_Q>
<,W6FWOF85@'+$[Q$>*5%Z#'+:^R?#+):-QA@Y,>E-DR\P+P8/WZZ_ZS-=?&'Z&' OOYS&D[C%-I+ O5GIERI:M8TE+*C_@X&VI0+$RYIR-Q3OW*M:&R8
P*DBBM_@=?ZAMQ >\8H!>_2O >-7 M $8-,/HJC&O N*^"60/,O@"K!EA' 78-L/L"\C5@4KI\L2%: MC.9LQ8tLR$"6:6QBE17;7C/)W(XYC\YE[_G6]>'JX=]'ZX_WZP7FX>_H3O7,P
M"Z(X1Q\(2H,B7>_~1%9X=>"[[J]/[%W%<%"%"@2UB+WE8C^AHBB!5B1EAQRYZ19\0 M!7A'CK(47W%2MOU1]KTL)SZFU\A0?T2Z2]M%U[H#S=$Y7R;NOMMZIX<-MO@HHAVNOJB_E<
>'#5RD[LOA=\?]-5(G(GC+2:/)KU'RC5_CRW,^P4=)%D24 M3ZD,A8>[G$N"JF4J5@D;O,L"U%LQ%>'-GJ/HC43@J'KOD*=:&Y[FF::JJ M3I7GRQ R;G]Y+S (/?#=YJE_B3*
"29#T36RL>XR<=8F@\'9R2/6(YVE"OH M.U*>#ZZ!R[AS\) ERW$FJ MJ ?2+.5![/)@RG-PQ_^QNE1/#^8G?MO&6.S:WIWG*E-JT)H#M.TW1+X*A@ MH&%;X^YG7%K;4+<@R7P@LI:G5N.I)?7T
U\!8I(+/4ZM_*MKJSYT(PCL^R M1M=4P4!=[H#72&CV1WH28L;:BHDF0]$UC+5;DRUWU[U0BU*5YU0P MT+(G D_[,KI]&3UI;4,]%\B:JMZI/1)M>77I/M%K(O7KERC81"$(O'<.NG4
M<&.,!9]#J2+3E_$WC_(W4^17."5J'-I@ M]L.#RF)R9[' #VD(?IKA9,IG^+B&E'7BG%\I!D#B29"TGF09(M(!!L2UVOV:[M?8#HOI%%:?3)M8%WTQS2P!H.<:G"PM.Z#?
[ND.C*0JFY/50]4=0G*YD.QM2.C MGR.C_R\J!SGMX/A LCF@;"XHFU>S74;6$D1V68\SWQCG0UU=.S[GCJ8F;VG* M6A0UM-5[$#SYR!4&>]\5%4T\ +BJ!\JV!&7SH=C:"3GW-#5Y4U/6\"Z7<0K
MT<.Q7&)P1-2JXHR-H:>QX[TPG(A8V$&H=*ILUK9PG(K;K8XOIJ2N>+9K7>NK7[GX=3_!_ FCV.FHY <4U;]4 J<;7:3W)5[*+XZ?Z_=+C3!>4>[M=:N]Q:H\JG4QJ\-8 Y
FCV.F1HY <4U;]4 J<;7:3W)5[*+XZ?Z_=+C3!>4>[M=:N]Q:H\JG4QJ\-8 Y
MWJ0;%%/Q!F2]+NQQ9S%7V(UF(&5]5\U76&L#4N[@Z+0JQ_BSX7.,+?[5"<=# MVO""A=+\T6:#5IG9 ,D>&#:\ EVY+>FQ1U;F::5AGNN7>$GO]NG=>=,DW% MMFG:^X=7J&J^8
[QV R/@:31]&3@\,W&24'Z3&L MWJ]];AX2=(T(;#> H-B(_X-G-DF#Z9(+PV4]6_T9?+92<'*&SJU!_D=?7M_MRC*Z%.:N!4=D,_[.4K[,D_:N&RA$?==F_V6UXW;H6Q_#C5\. 0/+ YG^K-;X;N,=
M\G(?8'OZ4H=@*\4[$5LI7FM_'4#1I+X=QO+ PQL%[#>@?S^/ !3?DX4P.YB MWK G&$>2!%.@%_T/L[=6+X^O<'>TJB*$G\"&^!U&$(? TX@CF-#@Q2!15 M[\&]U'8O*?"S7^WQD]02P,$% @
$X -69^NQS $P(L !? M3$T\$MP>:4#M.*2VBZD8_1!2:5K5N %(MB6/(7-> I3W;+T]!;X"O.DQQ0FE(2S,.\,W2 M2?P\+W\PPU1>5*(Y5&GC3YYVX$G1H2@8%%/X.)3Q8$##&\T3J?S
'AL+W=O[[;=1MVUE479K*W M-M-?+?+H1E'UR\&+S_EKS=8@WFEXN_[+74NM$T/\$Y"CYUOTZ;J^K4ZLI4_]$ M&;&8KZ9f7d{D*Q"}UrjmB+'HcoK@ZxX~Sk_ M*3Q8<+?KNFG:@ SnXf=
M7CQW0TM7?//_"@TR,S6JEEC)NEB\/6?> [.+R,H!UMU;;SB%U ML9$3)VI>96N>1]^ E;MGZS44B%1H_2!EI4#GDV4NI1U)TNBM]F4J7F*,FT MJ(IZ*0F]!!(
P0RN"#D022O$,BK2T+Z /(: M@;RV"SD !1,DNR5S3@5-\S!G60K0/B!H^RBB<5L%O(_#)Q@2*Z[%X]A2G M.V%&128BSJ:4B,54 ML)CI-SA,"FXE[3"@?I=3
NN92^NBDP[(\CM+,R4!B+D^1D#4K>Q;(O5-4= M3-XPAWB6'8)'G'EC>YA6/-O3#J0BU4&%F\AD/,N2$=$=C1?WU!#S"\F>\NA NM+6&8?\EN+9!J[H?.*8WQX<4RE\WW(8FR&,S&#U-(+
$H+B(D9Q[-L'!C-M__OL4.$*"'8?_WSS&XC%MBW,2AS,FSXF(/^L9A0$AY@8A;RSVBA732SN4F>@H2/(8>R]#$+^6>T4+;(1:Y'D*GD M!AD]P<4 '[.0;]E">$4,*R0?LY!_1@O]4QW_RO,PNP>8A
++$L(I8>418!(* M;^"CJ<7T$,0$Y'08%E"=*)]Y MW?^> 0 "!H !H !X;"]?M84,!!*=*@/96U:WG\%]8G MRYY]A5.9.G#J '5 G .%.^"""]-' [.Q[UU.WQ[@/(16]
M5=GN0H!ZGZ$G$$=$+W.TB-FUSTEIMYTX2W4K=C<00!!FC_(,CR!WD(\OF#AA T MS!\T@J]1_J Q(WS!TT@>)(_: I!T_Q!_D 9!P1)=U@3:"W(M1!X+0BV$G-O
M2+80F"V(MA"H+BOJK01Z]<^JM!"HKZJT$>BOJK01Z M&^JM!"K*R\<2-KT-]38"O0WU-@*#]?4V-KT-]38"O0WU-@*#]?4V KT]ZNT) M]/:HMR?
0VZ/>GD!OCWK[=^H=T_44XJ/GOL;[OY]/U%%,'K>_+>^;+_X_*#6<' M/WX6OU!+ P04 " 3@ U9J.J'V'V.L! !!&@ $P %M%(#?#VYT96YT7U1Y M <&S572YX,6S-F60U 338D(HDMVU!X^SKA
M1VI9NHF(J=2Q$N_C.V+W2=@?>6%&#(??#+>&$S-#A :EUI&7$U6#(!T@%CYHN!Q2ULT@1I2OK(G0&^_BTH[&=XV>=H$42;J[4:7P-A!4 M7 [ITB&M@+8S"$F4R@GW
[XI']A#@&20X+D2$!RW(#DF(#DN-7)<0>2XQXD!Q*^G^C M!$$^CR7R:WSAE&@5S!@@KR:G4&+K[E'(O2%Z, PL5 'ZAS&Z_T I-EFE84#*P^$? G^A\ *UFEH4=
*/>:HV X?&0Y?P \P (^, L!:E -3 "U E&=DN1+ 9U$L7>&T6%^0!+ P04 (""KE]=W0+7ZF8F M$YXKT<$SSHVW&Q^+[@Q*8<-XG-D.CY; Q69D -.8,SO6T0PV;7P4CA@EM4X1FOUA6[#]V2*YW@@$W[Y;E^ZHYWU96AAP!1]1=2Q4OZ(%1! L+I!%28[@Y>L!@M@
[XI']A#@&20X+D2$!RW(#DF(#DN-7)<0>2XQXD!Q*^G^C M!$$^CR7R:WSAE&@5S!@@KR:G4&+K[E'(O2%Z, P

M;W)K&PO=V]R:W-H965T&UL M4$L! A0#% @ $X 6;CYONZ= @ .P< !@ ("!VA, M 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ $X - M6:LQX.8V!@ AL !@ ("!P2, 'AL+W=O&PO=V]R:W-H M965T&UL4$L! A0#% @ $X 62XW&UL4$L! A0#% @ $X 63N)'SK9 @ M# 8 !D ("!SDD 'AL+W=OTZTF<" [!0 &0 @('> M3 >&PO=V]R:W-H965T&UL4$L! A0#% @ $X 69]PEM$P!@ *PX !D M ("!&5, 'AL+W=O&PO=V]R:W-H M965T&UL4$L! M A0#% @ $X 65:X#E0&PO=V]R:W-H965T&UL4$L! A0#% @ $X - M61%N^)&! @ 904 !D ("!NWH 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ $X 6:5 $Z[Q! [0P M !D ("! (8 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ $X 69R?_.HS!@ 'CD !D M ("!ZY$ 'AL+W=O&PO=V]R:W-H965T MZ? !X;"]W;W)K&UL4$L! A0# M% @ $X 661G+139 @ 1 D !D ("!J:, 'AL+W=O M&PO=V]R:W-H965TP*#<;0( )@' 9 " @82I M !X;"]W;W)K&UL4$L! A0#% @ $X 63W/ M>*&Y @ DP8 !D ("!**P 'AL+W=O&PO=V]R:W-H965TNS;P(D& 9 " @8:R !X;"]W;W)K&UL4$L! A0#% @ $X 64582?M+! Z!@ !D M ("!++4 'AL+W=O&PO M=V]R:W-H965T&UL4$L! A0#% @ $X 61[>$#J6!0 B"$!D ("! M , 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% M @ $X 6>K;#O6# P &Q$!D ("!UM4 'AL+W=O&PO=V]R:W-H965T&UL4$L! A0#% @ $X 60CQVMDK M P ZA(T (!*^, 'AL+W-T>6QE44$1($ #J' #P M@ %JYP >&PO=V]R:V)O;VLN>&UL4$L! A0#% @ $X 6>Y)W?^> 0 M"!H !H (!J>L 'AL+U]R96QS+W=O XML 56 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)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 57 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 59 FilingSummary.xml IDEA: XBRL DOCUMENT 3.24.2.u1 html 196 184 1 true 39 0 false 5 false false R1.htm 00000001 - Document - Cover Sheet http://cvdequipment.com/role/Cover Cover Cover 1 false false R2.htm 00000002 - Statement - Condensed Consolidated Balance Sheets (Unaudited) Sheet http://cvdequipment.com/role/BalanceSheets Condensed Consolidated Balance Sheets (Unaudited) Statements 2 false false R3.htm 00000003 - Statement - Condensed Consolidated Balance Sheets (Unaudited) (Parenthetical) Sheet http://cvdequipment.com/role/BalanceSheetsParenthetical Condensed Consolidated Balance Sheets (Unaudited) (Parenthetical) Statements 3 false false R4.htm 00000004 - Statement - Condensed Consolidated Statements of Operations (Unaudited) Sheet http://cvdequipment.com/role/StatementsOfOperations Condensed Consolidated Statements of Operations (Unaudited) Statements 4 false false R5.htm 00000005 - Statement - Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) Sheet http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) Statements 5 false false R6.htm 00000006 - 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Disclosure - SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING (Details) Sheet http://cvdequipment.com/role/ScheduleOfBasicAndDilutedWeightedAverageCommonSharesOutstandingDetails SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING (Details) Details 33 false false R34.htm 00000034 - Disclosure - EARNINGS PER SHARE (Details Narrative) Sheet http://cvdequipment.com/role/EarningsPerShareDetailsNarrative EARNINGS PER SHARE (Details Narrative) Details http://cvdequipment.com/role/EarningsPerShareTables 34 false false R35.htm 00000035 - Disclosure - SCHEDULE OF STOCK BASED COMPENSATION EXPENSE (Details) Sheet http://cvdequipment.com/role/ScheduleOfStockBasedCompensationExpenseDetails SCHEDULE OF STOCK BASED COMPENSATION EXPENSE (Details) Details 35 false false R36.htm 00000036 - Disclosure - SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS (Details) Sheet http://cvdequipment.com/role/ScheduleOfWeightedAverageAssumptionsDetails SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS (Details) Details 36 false false R37.htm 00000037 - Disclosure - SCHEDULE OF STOCK OPTIONS AWARDS (Details) Sheet http://cvdequipment.com/role/ScheduleOfStockOptionsAwardsDetails SCHEDULE OF STOCK OPTIONS AWARDS (Details) Details 37 false false R38.htm 00000038 - Disclosure - SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES (Details) Sheet http://cvdequipment.com/role/ScheduleOfOutstandingAndExercisableOptionsRangesOfExercisePricesDetails SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES (Details) Details 38 false false R39.htm 00000039 - Disclosure - STOCK-BASED COMPENSATION EXPENSE (Details Narrative) Sheet http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative STOCK-BASED COMPENSATION EXPENSE (Details Narrative) Details http://cvdequipment.com/role/Stock-basedCompensationExpenseTables 39 false false R40.htm 00000040 - Disclosure - SCHEDULE OF SEGMENTS (Details) Sheet http://cvdequipment.com/role/ScheduleOfSegmentsDetails SCHEDULE OF SEGMENTS (Details) Details 40 false false R41.htm 00000041 - 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)." } } }, "auth_ref": ["r43", "r498"] }, "us-gaap_AccountsReceivableMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableMember", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Accounts Receivable [Member]", "documentation": "Due from customers or clients for goods or services that have been delivered or sold." } } }, "auth_ref": ["r463"] }, "us-gaap_AccountsReceivableNetCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccountsReceivableNetCurrent", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Accounts receivable, net of allowance for credit losses", "documentation": "Amount, 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." } } }, "auth_ref": ["r562"] }, "us-gaap_AccruedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Accrued expenses", "documentation": "Carrying 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)." } } }, "auth_ref": ["r45"] }, "us-gaap_AdditionalPaidInCapitalCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Additional paid-in capital", "documentation": "Value received from shareholders in common stock-related transactions that are in excess of par value or stated value and amounts received from other stock-related transactions. Includes only common stock transactions (excludes preferred stock transactions). May be called contributed capital, capital in excess of par, capital surplus, or paid-in capital." } } }, "auth_ref": ["r54"] }, "us-gaap_AdditionalPaidInCapitalMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalMember", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Additional Paid-in Capital [Member]", "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders." } } }, "auth_ref": ["r411", "r549", "r550", "r551", "r552", "r574", "r615"] }, "us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Adjustments to reconcile net loss to net cash used in operating activities:" } } }, "auth_ref": [] }, "CVV_AerospaceMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "AerospaceMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Aerospace [Member]", "documentation": "Aerospace [Member]" } } }, "auth_ref": [] }, "us-gaap_AllocatedShareBasedCompensationExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllocatedShareBasedCompensationExpense", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/ScheduleOfStockBasedCompensationExpenseDetails", "http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "verboseLabel": "Total", "label": "Stock based compensation expenses", "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized." } } }, "auth_ref": ["r294", "r299"] }, "us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AllowanceForDoubtfulAccountsReceivableCurrent", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Allowance for doubtful accounts", "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current." } } }, "auth_ref": ["r112", "r198", "r202"] }, "dei_AmendmentDescription": { "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentDescription", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Amendment Description", "documentation": "Description of changes contained within amended document." } } }, "auth_ref": [] }, "dei_AmendmentFlag": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AmendmentFlag", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Amendment Flag", "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission." } } }, "auth_ref": [] }, "dei_AnnualInformationForm": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AnnualInformationForm", "presentation": ["http://cvdequipment.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": ["r531"] }, "us-gaap_ArrangementsAndNonarrangementTransactionsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ArrangementsAndNonarrangementTransactionsMember", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r325"] }, "us-gaap_AssetImpairmentCharges": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetImpairmentCharges", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 5.0 }, "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative", "http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical", "http://cvdequipment.com/role/StatementsOfCashFlows", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Impairment charge", "verboseLabel": "Asset impairment charges", "documentation": "Amount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill." } } }, "auth_ref": ["r3", "r23"] }, "us-gaap_Assets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "Assets", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets", "http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative", "http://cvdequipment.com/role/ScheduleOfSegmentsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Total assets", "label": "Assets", "documentation": "Amount of asset recognized for present right to economic benefit." } } }, "auth_ref": ["r88", "r95", "r109", "r130", "r162", "r168", "r186", "r190", "r199", "r224", "r225", "r227", "r228", "r229", "r230", "r231", "r233", "r234", "r326", "r329", "r343", "r369", "r432", "r478", "r479", "r498", "r516", "r568", "r569", "r578"] }, "us-gaap_AssetsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsAbstract", "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "ASSETS" } } }, "auth_ref": [] }, "us-gaap_AssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrent", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "totalLabel": "Total current assets", "label": "Assets, Current", "documentation": "Amount of asset recognized for present right to economic benefit, classified as current." } } }, "auth_ref": ["r104", "r116", "r130", "r199", "r224", "r225", "r227", "r228", "r229", "r230", "r231", "r233", "r234", "r326", "r329", "r343", "r498", "r568", "r569", "r578"] }, "us-gaap_AssetsCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AssetsCurrentAbstract", "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Current assets" } } }, "auth_ref": [] }, "dei_AuditedAnnualFinancialStatements": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "AuditedAnnualFinancialStatements", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Audited Annual Financial Statements", "documentation": "Boolean flag with value true on a form if it is an annual report containing audited financial statements." } } }, "auth_ref": ["r531"] }, "us-gaap_AwardTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AwardTypeAxis", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Award Type [Axis]", "documentation": "Information by type of award under share-based payment arrangement." } } }, "auth_ref": ["r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293"] }, "CVV_BillingsToDate": { "xbrltype": "monetaryItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "BillingsToDate", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsDetails": { "parentTag": "CVV_NetCostInExcessOfBillings", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsDetails"], "lang": { "en-us": { "role": { "negatedLabel": "Billings to date", "documentation": "Billings to date.", "label": "BillingsToDate" } } }, "auth_ref": [] }, "us-gaap_BusinessDescriptionAndBasisOfPresentationTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "BusinessDescriptionAndBasisOfPresentationTextBlock", "presentation": ["http://cvdequipment.com/role/BasisOfPresentation"], "lang": { "en-us": { "role": { "label": "BASIS OF PRESENTATION", "documentation": "The entire disclosure for the business description and basis of presentation concepts. Business description describes the nature and type of organization including but not limited to organizational structure as may be applicable to holding companies, parent and subsidiary relationships, business divisions, business units, business segments, affiliates and information about significant ownership of the reporting entity. Basis of presentation describes the underlying basis used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS)." } } }, "auth_ref": ["r41", "r75", "r76"] }, "CVV_CVDEquipmentMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "CVDEquipmentMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "label": "CVD Equipment [Member]", "documentation": "CVD Equipment [Member]" } } }, "auth_ref": [] }, "CVV_CVDMaterialsMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "CVDMaterialsMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails"], "lang": { "en-us": { "role": { "label": "CVD Materials [Member]", "documentation": "CVD Materials [Member]" } } }, "auth_ref": [] }, "us-gaap_CapitalizedContractCostImpairmentLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CapitalizedContractCostImpairmentLoss", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/SummaryOfSignificantAccountingPoliciesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Contract assets, impairment loss", "documentation": "Amount of impairment loss for asset recognized from cost incurred to obtain or fulfill contract with customer." } } }, "auth_ref": ["r206"] }, "us-gaap_CashAndCashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAtCarryingValue", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets", "http://cvdequipment.com/role/BasisOfPresentationDetailsNarrative", "http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Cash and cash equivalents", "documentation": "Amount 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." } } }, "auth_ref": ["r13", "r107", "r468"] }, "us-gaap_CashAndCashEquivalentsAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashAndCashEquivalentsAxis", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Cash and Cash Equivalents [Axis]", "documentation": "Information by type of cash and cash equivalent balance." } } }, "auth_ref": ["r107"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "periodStartLabel": "Cash and cash equivalents at beginning of period", "periodEndLabel": "Cash and cash equivalents at end of period", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations", "documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, 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": ["r13", "r72", "r128"] }, "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net decrease in cash and cash equivalents", "label": "Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect", "documentation": "Amount 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." } } }, "auth_ref": ["r0", "r72"] }, "us-gaap_CashDivestedFromDeconsolidation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashDivestedFromDeconsolidation", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Net cash used in connection with disposition of Tantaline", "label": "Cash Divested from Deconsolidation", "documentation": "Reduction in cash due to no longer including the former subsidiary's cash in the consolidated entity's cash." } } }, "auth_ref": ["r69"] }, "us-gaap_CashEquivalentsAtCarryingValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashEquivalentsAtCarryingValue", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Cash equivalents", "documentation": "Amount of 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." } } }, "auth_ref": ["r539", "r582"] }, "us-gaap_CashUninsuredAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CashUninsuredAmount", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Uninsured amount", "documentation": "The amount of cash as of the balance sheet date that is not insured by the Federal Deposit Insurance Corporation." } } }, "auth_ref": [] }, "dei_CityAreaCode": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "CityAreaCode", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "City Area Code", "documentation": "Area code of city" } } }, "auth_ref": [] }, "us-gaap_CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CollaborativeArrangementsAndNoncollaborativeArrangementTransactionsLineItems", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Collaborative Arrangement and Arrangement Other than Collaborative [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": ["r325"] }, "us-gaap_CommonStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockMember", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Common Stock [Member]", "documentation": "Stock that is subordinate to all other stock of the issuer." } } }, "auth_ref": ["r507", "r508", "r509", "r511", "r512", "r513", "r514", "r549", "r550", "r552", "r574", "r613", "r615"] }, "us-gaap_CommonStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockParOrStatedValuePerShare", "presentation": ["http://cvdequipment.com/role/BalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, par value", "documentation": "Face amount or stated value per share of common stock." } } }, "auth_ref": ["r53"] }, "us-gaap_CommonStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesAuthorized", "presentation": ["http://cvdequipment.com/role/BalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, shares authorized", "documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": ["r53", "r420"] }, "us-gaap_CommonStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesIssued", "presentation": ["http://cvdequipment.com/role/BalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, shares issued", "documentation": "Total 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." } } }, "auth_ref": ["r53"] }, "us-gaap_CommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockSharesOutstanding", "presentation": ["http://cvdequipment.com/role/BalanceSheetsParenthetical"], "lang": { "en-us": { "role": { "label": "Common stock, shares outstanding", "documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation." } } }, "auth_ref": ["r6", "r53", "r420", "r438", "r615", "r616"] }, "us-gaap_CommonStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CommonStockValue", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Common stock - $0.01 par value \u2013 20,000,000 shares authorized; issued and outstanding 6,825,338 at June 30, 2024 and 6,824,511 at December 31, 2023", "documentation": "Aggregate 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." } } }, "auth_ref": ["r53", "r371", "r498"] }, "us-gaap_ConcentrationRiskBenchmarkDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskBenchmarkDomain", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "The denominator in a calculation of a disclosed concentration risk percentage." } } }, "auth_ref": ["r17", "r18", "r38", "r39", "r196", "r463"] }, "us-gaap_ConcentrationRiskByBenchmarkAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByBenchmarkAxis", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Concentration Risk Benchmark [Axis]", "documentation": "Information by benchmark of concentration risk." } } }, "auth_ref": ["r17", "r18", "r38", "r39", "r196", "r406", "r463"] }, "us-gaap_ConcentrationRiskByTypeAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskByTypeAxis", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Concentration Risk Type [Axis]", "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender." } } }, "auth_ref": ["r17", "r18", "r38", "r39", "r196", "r463", "r538"] }, "us-gaap_ConcentrationRiskDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskDisclosureTextBlock", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRisk"], "lang": { "en-us": { "role": { "label": "CONCENTRATION OF CREDIT RISK", "documentation": "The entire disclosure for any concentrations existing at the date of the financial statements that make an entity vulnerable to a reasonably possible, near term, severe impact. This disclosure informs financial statement users about the general nature of the risk associated with the concentration, and may indicate the percentage of concentration risk as of the balance sheet date." } } }, "auth_ref": ["r76"] }, "us-gaap_ConcentrationRiskLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskLineItems", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Concentration Risk [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": ["r463"] }, "us-gaap_ConcentrationRiskPercentage1": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskPercentage1", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Concentration risk, percentage", "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage derived from the division." } } }, "auth_ref": ["r17", "r18", "r38", "r39", "r196"] }, "us-gaap_ConcentrationRiskTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTable", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Concentration Risk [Table]", "documentation": "Disclosure of information about concentration risk. Includes, but is not limited to, percentage of concentration risk and benchmark serving as denominator in calculation of percentage of concentration risk." } } }, "auth_ref": ["r16", "r17", "r18", "r19", "r38", "r87", "r463"] }, "us-gaap_ConcentrationRiskTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConcentrationRiskTypeDomain", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration." } } }, "auth_ref": ["r17", "r18", "r38", "r39", "r196", "r463"] }, "srt_ConsolidatedEntitiesAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ConsolidatedEntitiesAxis", "presentation": 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the entity and is not considered an operating segment." } } }, "auth_ref": ["r10", "r185", "r186", "r187", "r188", "r191", "r557"] }, "us-gaap_CostOfRevenue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "CostOfRevenue", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_GrossProfit", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Cost of revenue", "documentation": "The aggregate cost of goods produced and sold and services rendered during the reporting period." } } }, "auth_ref": ["r64", "r130", "r199", "r224", "r225", "r227", "r228", "r229", "r230", "r231", "r233", "r234", "r343", "r478", "r568"] }, "CVV_CostOfRevenueMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "CostOfRevenueMember", "presentation": 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revenues in the period from one or more significant customers is to net revenues, as defined by the entity, such as total net revenues, product line revenues, segment revenues. The risk is the materially adverse effects of loss of a significant customer." } } }, "auth_ref": ["r77", "r196"] }, "us-gaap_DebtDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Debt Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentFaceAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFaceAmount", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Loan principal amount", "documentation": "Face (par) amount of debt instrument at time of issuance." } } }, "auth_ref": ["r235", "r354", "r355", "r484", "r485", "r497"] }, "us-gaap_DebtInstrumentFrequencyOfPeriodicPayment": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentFrequencyOfPeriodicPayment", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Loan payment term", "documentation": "Description of the frequency of periodic payments (monthly, quarterly, annual)." } } }, "auth_ref": ["r11", "r40"] }, "us-gaap_DebtInstrumentInterestRateStatedPercentage": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentInterestRateStatedPercentage", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Loan interest rate", "documentation": "Contractual interest rate for funds borrowed, under the debt agreement." } } }, "auth_ref": ["r47", "r236"] }, "us-gaap_DebtInstrumentPeriodicPayment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentPeriodicPayment", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Loan, monthly installment amount", "documentation": "Amount of the required periodic payments including both interest and principal payments." } } }, "auth_ref": ["r11", "r40"] }, "CVV_DeferredRevenuesRelatedToContracts": { "xbrltype": "monetaryItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "DeferredRevenuesRelatedToContracts", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsDetails"], "lang": { "en-us": { "role": { "label": "Deferred revenue related to non-system contracts", "documentation": "Deferred revenues related to contracts." } } }, "auth_ref": [] }, "us-gaap_DefinedBenefitPlanDisclosureLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DefinedBenefitPlanDisclosureLineItems", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "label": "Defined Benefit Plan Disclosure [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": [] }, "CVV_DepositsFromPurchaserOfMesoscribeAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "DepositsFromPurchaserOfMesoscribeAssets", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_LiabilitiesCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets", "http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Deposit from purchaser of MesoScribe assets-Note 11", "verboseLabel": "Deposits from purchaser of equipment", "documentation": "Deposits from purchaser of MesoScribe assets." } } }, "auth_ref": [] }, "us-gaap_DepreciationAndAmortization": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DepreciationAndAmortization", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Depreciation and amortization", "documentation": "The current period expense charged against earnings on long-lived, physical assets not used in production, and which are not intended for resale, to allocate or recognize the cost of such assets over their useful lives; or to record the reduction in book value of an intangible asset over the benefit period of such asset; or to reflect consumption during the period of an asset that is not used in production." } } }, "auth_ref": ["r3", "r24"] }, "srt_DirectorMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "DirectorMember", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Director [Member]" } } }, "auth_ref": ["r561", "r614"] }, "CVV_DirectorsMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "DirectorsMember", "presentation": [

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These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth_ref": ["r258", "r486", "r487", "r488", "r489", "r490", "r491", "r492"] }, "us-gaap_DisaggregationOfRevenueTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTable", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "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": ["r258", "r486", "r487", "r488", "r489", "r490", "r491", "r492"] }, "us-gaap_DisaggregationOfRevenueTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisaggregationOfRevenueTableTextBlock", "presentation": ["http://cvdequipment.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF DISAGGREGATION 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": ["r572"] }, "us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpense"], "lang": { "en-us": { "role": { "label": "STOCK-BASED COMPENSATION EXPENSE", "documentation": "The entire disclosure for share-based payment arrangement." } } }, "auth_ref": ["r263", "r267", "r295", "r296", "r298", "r493"] }, "us-gaap_DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisclosureOfCompensationRelatedCostsSharebasedPaymentsAbstract", "lang": { "en-us": { "role": { "label": "Share-Based Payment Arrangement [Abstract]" } } }, "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_DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock", "presentation": ["http://cvdequipment.com/role/MesoscribeSubsidiary"], "lang": { "en-us": { "role": { "label": "MESOSCRIBE SUBSIDIARY", "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": ["r42", "r79"] }, "dei_DocumentAccountingStandard": { "xbrltype": "accountingStandardItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAccountingStandard", "presentation": ["http://cvdequipment.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": ["r530"] }, "dei_DocumentAnnualReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentAnnualReport", "presentation": ["http://cvdequipment.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": ["r528", "r530", "r531"] }, "dei_DocumentFiscalPeriodFocus": { "xbrltype": "fiscalPeriodItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentFiscalPeriodFocus", "presentation": ["http://cvdequipment.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://cvdequipment.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://cvdequipment.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://cvdequipment.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://cvdequipment.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": ["r529"] }, "dei_DocumentRegistrationStatement": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentRegistrationStatement", "presentation": ["http://cvdequipment.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": ["r517"] }, "dei_DocumentShellCompanyEventDate": { "xbrltype": "dateItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyEventDate", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Document Shell Company Event Date", "documentation": "Date of event requiring a shell company report." } } }, "auth_ref": ["r530"] }, "dei_DocumentShellCompanyReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentShellCompanyReport", "presentation": ["http://cvdequipment.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": ["r530"] }, "dei_DocumentTransitionReport": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentTransitionReport", "presentation": ["http://cvdequipment.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": ["r532"] }, "dei_DocumentType": { "xbrltype": "submissionTypeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "DocumentType", "presentation": ["http://cvdequipment.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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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_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Unrecognized compensation costs", "documentation": "Amount of cost not yet recognized for nonvested award under share-based payment arrangement." } } }, "auth_ref": ["r297"] }, "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": 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arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time." } } }, "auth_ref": [] }, "CVV_EnergyMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "EnergyMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Energy [Member]", "documentation": "Energy [Member]" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine1": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityAddressAddressLine1", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Address, Address Line One", "documentation": "Address Line 1 such as Attn, Building Name, Street Name" } } }, "auth_ref": [] }, "dei_EntityAddressAddressLine2": { "xbrltype": "normalizedStringItemType", 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"Entity Address, State or Province", "documentation": "Name of the state or province." } } }, "auth_ref": [] }, "dei_EntityBankruptcyProceedingsReportingCurrent": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityBankruptcyProceedingsReportingCurrent", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Bankruptcy Proceedings, Reporting Current", "documentation": "For registrants involved in 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 Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court; the value No indicates the registrant has not. Registrants not involved in bankruptcy proceedings during the preceding five years should not report this element." } } }, "auth_ref": ["r523"] }, "dei_EntityCentralIndexKey": { "xbrltype": "centralIndexKeyItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCentralIndexKey", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Central Index Key", "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK." } } }, "auth_ref": ["r519"] }, "dei_EntityCommonStockSharesOutstanding": { "xbrltype": "sharesItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCommonStockSharesOutstanding", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Common Stock, Shares Outstanding", "documentation": "Indicate 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." } } }, "auth_ref": [] }, "dei_EntityCurrentReportingStatus": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Current Reporting Status", "documentation": "Indicate '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." } } }, "auth_ref": [] }, "dei_EntityEmergingGrowthCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityEmergingGrowthCompany", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Emerging Growth Company", "documentation": "Indicate if registrant meets the emerging growth company criteria." } } }, "auth_ref": ["r519"] }, "dei_EntityExTransitionPeriod": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityExTransitionPeriod", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Elected Not To Use the Extended Transition Period", "documentation": "Indicate if an emerging growth company has elected not to use the extended transition period for complying with any new or revised financial accounting standards." } } }, "auth_ref": ["r536"] }, "dei_EntityFileNumber": { "xbrltype": "fileNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFileNumber", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity File Number", "documentation": "Commission 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." } } }, "auth_ref": [] }, "dei_EntityFilerCategory": { "xbrltype": "filerCategoryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Filer Category", "documentation": "Indicate 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." } } }, "auth_ref": ["r519"] }, "dei_EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Incorporation, State or Country Code", "documentation": "Two-character EDGAR code representing the state or country of incorporation." } } }, "auth_ref": [] }, "dei_EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Interactive Data Current", "documentation": "Boolean 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)." } } }, "auth_ref": ["r533"] }, "dei_EntityListingParValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityListingParValuePerShare", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Listing, Par Value Per Share", "documentation": "The par value per share of security quoted in same currency as Trading currency. Example: '0.01'." } } }, "auth_ref": [] }, "dei_EntityPrimarySicNumber": { "xbrltype": "sicNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPrimarySicNumber", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Primary SIC Number", "documentation": "Primary Standard Industrial Classification (SIC) Number for the Entity." } } }, "auth_ref": ["r531"] }, "dei_EntityPublicFloat": { "xbrltype": "monetaryItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPublicFloat", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Public Float", "documentation": "The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter." } } }, "auth_ref": [] }, "dei_EntityRegistrantName": { "xbrltype": "normalizedStringItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth_ref": ["r519"] }, "dei_EntityShellCompany": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act." } } }, "auth_ref": ["r519"] }, "dei_EntitySmallBusiness": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntitySmallBusiness", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Small Business", "documentation": "Indicates that the company is a Smaller Reporting Company (SRC)." } } }, "auth_ref": ["r519"] }, "dei_EntityTaxIdentificationNumber": { "xbrltype": "employerIdItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityTaxIdentificationNumber", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Tax Identification Number", "documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS." } } }, "auth_ref": ["r519"] }, "dei_EntityVoluntaryFilers": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityVoluntaryFilers", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Voluntary Filers", "documentation": "Indicate 'Yes' or 'No' if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act." } } }, "auth_ref": [] }, "dei_EntityWellKnownSeasonedIssuer": { "xbrltype": "yesNoItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityWellKnownSeasonedIssuer", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Entity Well-known Seasoned Issuer", "documentation": "Indicate 'Yes' or 'No' if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A." } } }, "auth_ref": ["r534"] }, "us-gaap_EquityComponentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc." } } }, "auth_ref": ["r6", "r101", "r119", "r120", "r121", "r133", "r134", "r135", "r137", "r142", "r144", "r146", "r163", "r200", "r201", "r217", "r237", "r311", "r312", "r318", "r319", "r320", "r322", "r323", "r324", "r331", "r332", "r333", "r334", "r335", "r336", "r337", "r348", "r349", "r350", "r351", "r352", "r353", "r356", "r357", "r359", "r378", "r401", "r402", "r403", "r411", "r459"] }, "CVV_EstimatedEarnings": { 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["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "label": "Loss on sale of assets", "documentation": "Amount 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." } } }, "auth_ref": ["r547"] }, "us-gaap_GainLossOnSaleOfBusiness": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GainLossOnSaleOfBusiness", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": -1.0, "order": 4.0 }, "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": -1.0, "order": 4.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "negatedLabel": "Loss on disposition of Tantaline", "label": "Gain (Loss) on Disposition of Business", "documentation": "Amount of gain (loss) from sale and disposal of integrated set of activities and assets capable of being conducted and managed for purpose of providing return in form of dividend, lower cost, or other economic benefit to investor, owner, member and participant." } } }, "auth_ref": ["r328", "r547"] }, "us-gaap_GeneralAndAdministrativeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GeneralAndAdministrativeExpense", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "General and administrative", "documentation": "The aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line." } } }, "auth_ref": ["r66", "r442"] }, "us-gaap_GeneralAndAdministrativeExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GeneralAndAdministrativeExpenseMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfStockBasedCompensationExpenseDetails"], "lang": { "en-us": { "role": { "label": "General and Administrative Expense [Member]", "documentation": "Primary financial statement caption encompassing general and administrative expense." } } }, "auth_ref": ["r66"] }, "us-gaap_GrossProfit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "GrossProfit", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": 1.0, 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["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Loss before income tax", "verboseLabel": "Pretax (loss) income", "documentation": "Amount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest." } } }, "auth_ref": ["r63", "r90", "r94", "r367", "r376", "r473", "r478", "r554", "r556", "r558", "r559", "r560"] }, "us-gaap_IncomeStatementAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementAbstract", "lang": { "en-us": { "role": { "label": "Income Statement [Abstract]" } } }, "auth_ref": [] }, "us-gaap_IncomeStatementLocationAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "IncomeStatementLocationAxis", "presentation": 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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": ["r124"] }, "us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "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://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net cash 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. 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." } } }, "auth_ref": ["r124"] }, "us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInInvestingActivitiesAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash flows from investing activities:" } } }, "auth_ref": [] }, "us-gaap_NetCashProvidedByUsedInOperatingActivities": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivities", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "totalLabel": "Net cash used in operating activities", "label": "Net Cash Provided by (Used in) Operating Activities", "documentation": "Amount 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." } } }, "auth_ref": ["r72", "r73", "r74"] }, "us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInOperatingActivitiesAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Cash flows from operating activities:" } } }, "auth_ref": [] }, "CVV_NetCostInExcessOfBillings": { "xbrltype": "monetaryItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "NetCostInExcessOfBillings", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsDetails": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://cvdequipment.com/role/ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsDetails"], "lang": { "en-us": { "role": { "totalLabel": "Net cost in excess of billings", "documentation": "Net cost in excess of billings.", "label": "NetCostInExcessOfBillings" } } }, "auth_ref": [] }, "us-gaap_NetIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetIncomeLoss", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 1.0 }, "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": null, "weight": null, "order": null, "root": true } }, "presentation": ["http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative", "http://cvdequipment.com/role/StatementsOfCashFlows", "http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Net loss", "label": "Net loss", "documentation": "The portion of profit or loss for the period, net of income taxes, which is attributable to the parent." } } }, "auth_ref": ["r65", "r74", "r91", "r103", "r117", "r118", "r121", "r130", "r136", "r138", "r139", "r140", "r141", "r142", "r145", "r146", "r154", "r199", "r224", "r225", "r227", "r228", "r229", "r230", "r231", "r233", "r234", "r321", "r324", "r339", "r343", "r377", "r440", "r457", "r458", "r515", "r568"] }, "us-gaap_NewAccountingPronouncementsPolicyPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NewAccountingPronouncementsPolicyPolicyTextBlock", "presentation": ["http://cvdequipment.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Recent Accounting Standards", "documentation": "Disclosure of accounting policy pertaining to new accounting pronouncements that may impact the entity's financial reporting. Includes, but is not limited to, quantification of the expected or actual impact." } } }, "auth_ref": [] }, "dei_NoTradingSymbolFlag": { "xbrltype": "trueItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "NoTradingSymbolFlag", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "No Trading Symbol Flag", "documentation": "Boolean flag that is true only for a security having no trading symbol." } } }, "auth_ref": [] }, "us-gaap_NonoperatingIncomeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonoperatingIncomeExpense", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Total other income, net", "label": "Nonoperating Income (Expense)", "documentation": "The aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business)." } } }, "auth_ref": ["r67"] }, "us-gaap_NonoperatingIncomeExpenseAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NonoperatingIncomeExpenseAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Other income (expense):" } } }, "auth_ref": [] }, "us-gaap_NumberOfOperatingSegments": { "xbrltype": "integerItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NumberOfOperatingSegments", "presentation": ["http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Number of operating segments", "documentation": "Number 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." } } }, "auth_ref": ["r479", "r555"] }, "CVV_OneCustomerMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "OneCustomerMember", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "One Customer [Member]", "documentation": "One Customer [Member]" } } }, "auth_ref": [] }, "us-gaap_OperatingExpenses": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpenses", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingIncomeLoss", "weight": -1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Total operating expenses", "label": "Operating Expenses", "documentation": "Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense." } } }, "auth_ref": [] }, "us-gaap_OperatingExpensesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingExpensesAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Operating expenses" } } }, "auth_ref": [] }, "us-gaap_OperatingIncomeLoss": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingIncomeLoss", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "totalLabel": "Operating loss", "label": "Operating (loss) income", "documentation": "The net result for the period of deducting operating expenses from operating revenues." } } }, "auth_ref": ["r94", "r473", "r554", "r556", "r558", "r559", "r560"] }, "us-gaap_OperatingSegmentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OperatingSegmentsMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails"], "lang": { "en-us": { "role": { "label": "Operating Segments [Member]", "documentation": "Identifies components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": ["r184", "r185", "r186", "r187", "r188", "r191", "r478", "r479"] }, "us-gaap_OtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsCurrent", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_AssetsCurrent", "weight": 1.0, "order": 5.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Other current assets", "documentation": "Amount of current assets classified as other." } } }, "auth_ref": ["r115", "r498"] }, "us-gaap_OtherAssetsNoncurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherAssetsNoncurrent", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Other assets", "documentation": "Amount of noncurrent assets classified as other." } } }, "auth_ref": ["r108"] }, "us-gaap_OtherNonoperatingIncomeExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "OtherNonoperatingIncomeExpense", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_NonoperatingIncomeExpense", "weight": 1.0, "order": 4.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Other income (expense)", "documentation": "Amount of income (expense) related to nonoperating activities, classified as other." } } }, "auth_ref": ["r68"] }, "dei_OtherReportingStandardItemNumber": { "xbrltype": "otherReportingStandardItemNumberItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "OtherReportingStandardItemNumber", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Other Reporting Standard Item Number", "documentation": "\"Item 17\" or \"Item 18\" specified when the basis of accounting is neither US GAAP nor IFRS." } } }, "auth_ref": ["r530"] }, "CVV_PVTOneFiftySystemsMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "PVTOneFiftySystemsMember", "presentation": ["http://cvdequipment.com/role/InventoriesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "PVT 150 Systems [Member]", "documentation": "PVT 150 Systems [Member]" } } }, "auth_ref": [] }, "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PaymentsToAcquirePropertyPlantAndEquipment", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInInvestingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Purchases of property and equipment", "label": "Payments to Acquire Property, Plant, and Equipment", "documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets." } } }, "auth_ref": ["r70"] }, "dei_PreCommencementIssuerTenderOffer": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "PreCommencementIssuerTenderOffer", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Pre-commencement Issuer Tender Offer", "documentation": "Boolean flag that is true when the Form 8-K filing is intended to satisfy the filing obligation of the registrant as pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act." } } }, "auth_ref": ["r524"] }, "dei_PreCommencementTenderOffer": { "xbrltype": "booleanItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "PreCommencementTenderOffer", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Pre-commencement Tender Offer", "documentation": "Boolean flag that is true when the Form 8-K filing is intended to satisfy the filing obligation of the registrant as pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act." } } }, "auth_ref": ["r526"] }, "us-gaap_ProceedsFromStockOptionsExercised": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ProceedsFromStockOptionsExercised", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Proceeds from exercise of stock options", "documentation": "Amount of cash inflow from exercise of option under share-based payment arrangement." } } }, "auth_ref": ["r1", "r9"] }, "srt_ProductOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductOrServiceAxis", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Product and Service [Axis]" } } }, "auth_ref": ["r193", "r365", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r467", "r486", "r499", "r501", "r502", "r505", "r506", "r564", "r565", "r572", "r583", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612"] }, "srt_ProductsAndServicesDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "ProductsAndServicesDomain", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "auth_ref": ["r193", "r365", "r392", "r393", "r394", "r395", "r396", "r397", "r398", "r467", "r486", "r499", "r501", "r502", "r505", "r506", "r564", "r565", "r572", "r583", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612"] }, "us-gaap_PropertyPlantAndEquipmentNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentNet", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_Assets", "weight": 1.0, "order": 2.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Property, plant and equipment, net", "documentation": "Amount 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." } } }, "auth_ref": ["r4", "r358", "r368", "r375", "r498"] }, "us-gaap_PublicUtilitiesInventoryAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PublicUtilitiesInventoryAxis", "presentation": ["http://cvdequipment.com/role/InventoriesDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Inventory [Axis]", "documentation": "Information by type of inventory held." } } }, "auth_ref": ["r543"] }, "us-gaap_PublicUtilitiesInventoryTypeDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PublicUtilitiesInventoryTypeDomain", "presentation": ["http://cvdequipment.com/role/InventoriesDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Tangible personal property that is held for sale in the ordinary course of business, in process of production for such sale or is to be currently consumed in the production of goods or services to be available for sale." } } }, "auth_ref": ["r543"] }, "us-gaap_RelatedPartyDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyDomain", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r197", "r262", "r360", "r361", "r370", "r374", "r414", "r415", "r416", "r417", "r418", "r437", "r439", "r462"] }, "us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RelatedPartyTransactionsByRelatedPartyAxis", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "label": "Related and Nonrelated Parties [Axis]", "documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employee, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest." } } }, "auth_ref": ["r197", "r262", "r360", "r361", "r370", "r374", "r414", "r415", "r416", "r417", "r418", "r437", "r439", "r462", "r577"] }, "us-gaap_RepaymentsOfLongTermDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RepaymentsOfLongTermDebt", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfCashFlows": { "parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities", "weight": -1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "negatedLabel": "Payments of long-term debt", "label": "Repayments of Long-Term Debt", "documentation": "The cash outflow for debt initially having maturity due after one year or beyond the normal operating cycle, if longer." } } }, "auth_ref": ["r71", "r408"] }, "us-gaap_ResearchAndDevelopmentExpense": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpense", "crdr": "debit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_OperatingExpenses", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Research and development", "documentation": "Amount 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." } } }, "auth_ref": ["r300", "r465", "r478", "r580"] }, "us-gaap_ResearchAndDevelopmentExpenseMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfStockBasedCompensationExpenseDetails"], "lang": { "en-us": { "role": { "label": "Research and Development Expense [Member]", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } } }, "auth_ref": [] }, "CVV_ResearchOneMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "ResearchOneMember", "presentation": [

"http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Research [Member]", "documentation": "Research [Member]" } } }, "auth_ref": [] }, "us-gaap_RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedCashAndCashEquivalentsCashAndCashEquivalentsMember", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Type of cash and cash equivalent. Cash is 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." } } }, "auth_ref": ["r107"] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Restricted Stock [Member]", "documentation": "Stock including a provision that prohibits sale or substantive sale of an equity instrument for a specified period of time or until specified performance conditions are met." } } }, "auth_ref": ["r15"] }, "us-gaap_RetainedEarningsAccumulatedDeficit": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsAccumulatedDeficit", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/BalanceSheets": { "parentTag": "us-gaap_StockholdersEquity", "weight": 1.0, "order": 3.0 } }, "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Accumulated deficit", "documentation": "Amount of accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r55", "r81", "r372", "r404", "r405", "r409", "r421", "r498"] }, "us-gaap_RetainedEarningsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RetainedEarningsMember", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Retained Earnings [Member]", "documentation": "Accumulated undistributed earnings (deficit)." } } }, "auth_ref": ["r101", "r133", "r134", "r135", "r137", "r142", "r144", "r146", "r200", "r201", "r217", "r311", "r312", "r318", "r319", "r320", "r322", "r323", "r324", "r331", "r333", "r334", "r336", "r337", "r356", "r357", "r401", "r403", "r411", "r615"] }, "us-gaap_RevenueFromContractWithCustomerAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerAbstract", "lang": { "en-us": { "role": { "label": "Revenue from Contract with Customer [Abstract]" } } }, "auth_ref": [] }, "us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerExcludingAssessedTax", "crdr": "credit", "calculation": { "http://cvdequipment.com/role/StatementsOfOperations": { "parentTag": "us-gaap_GrossProfit", "weight": 1.0, "order": 1.0 } }, "presentation": ["http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative", "http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative", "http://cvdequipment.com/role/StatementsOfOperations"], "lang": { "en-us": { "role": { "label": "Revenue", "verboseLabel": "Revenue from contract with customer, including assessed tax", "terseLabel": "Revenues", "documentation": "Amount, 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." } } }, "auth_ref": ["r92", "r93", "r162", "r169", "r170", "r184", "r190", "r193", "r195", "r196", "r257", "r258", "r365"] }, "us-gaap_RevenueFromContractWithCustomerIncludingAssessedTax": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerIncludingAssessedTax", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Total", "documentation": "Amount, including 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." } } }, "auth_ref": ["r92", "r93", "r162", "r169", "r170", "r184", "r190", "r193", "r195", "r196", "r257", "r258", "r365"] }, "us-gaap_RevenueFromContractWithCustomerPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": ["http://cvdequipment.com/role/SummaryOfSignificantAccountingPoliciesPolicies"], "lang": { "en-us": { "role": { "label": "Revenue Recognition", "documentation": "Disclosure of accounting policy for revenue from contract with customer." } } }, "auth_ref": ["r100", "r249", "r250", "r251", "r252", "r253", "r254", "r255", "r256", "r466"] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": ["http://cvdequipment.com/role/RevenueRecognition"], "lang": { "en-us": { "role": { "label": "REVENUE RECOGNITION", "documentation": "The 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." } } }, "auth_ref": ["r100", "r241", "r242", "r243", "r244", "r245", "r246", "r247", "r248", "r261"] }, "us-gaap_RevenueRemainingPerformanceObligation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/RevenueRecognitionDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Unrecognized contract revenue", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." } } }, "auth_ref": ["r98"] }, "us-gaap_RisksAndUncertaintiesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RisksAndUncertaintiesAbstract", "lang": { "en-us": { "role": { "label": "Risks and Uncertainties [Abstract]" } } }, "auth_ref": [] }, "CVV_SDCMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "SDCMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "label": "SDC [Member]", "documentation": "SDC [Member]" } } }, "auth_ref": [] }, "CVV_SaleOfProprietaryAssetsAndLicenseCertainProprietyInformationAggregatePurchasePrice": { "xbrltype": "monetaryItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "SaleOfProprietaryAssetsAndLicenseCertainProprietyInformationAggregatePurchasePrice", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/MesoscribeSubsidiaryDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Aggregate purchase price", "documentation": "Sale of proprietary assets and license certain propriety information aggregate purchase price." } } }, "auth_ref": [] }, "us-gaap_SalesRevenueNetMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesRevenueNetMember", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Revenue Benchmark [Member]", "documentation": "Revenue from sale of product and rendering of service and other sources of income, when it serves as benchmark in concentration of risk calculation." } } }, "auth_ref": ["r196", "r537"] }, "us-gaap_ScheduleOfCollaborativeArrangementsAndNoncollaborativeArrangementTransactionsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfCollaborativeArrangementsAndNoncollaborativeArrangementTransactionsTable", "presentation": ["http://cvdequipment.com/role/Long-termDebtDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Collaborative Arrangement and Arrangement Other than Collaborative [Table]", "documentation": "Disclosure of information about collaborative arrangement and arrangement other than collaborative applicable to revenue-generating activity or operations." } } }, "auth_ref": ["r325"] }, "CVV_ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsTableTextBlock", "presentation": ["http://cvdequipment.com/role/RevenueRecognitionTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS", "documentation": "Schedule Of Cost And Estimated Earnings In Excess Of Billings [Table Text Block]" } } }, "auth_ref": [] }, "us-gaap_ScheduleOfDefinedBenefitPlansDisclosuresTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDefinedBenefitPlansDisclosuresTable", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "label": "Defined Benefit Plan [Table]", "documentation": "Disclosure of information about individual defined benefit pension plan or other postretirement defined benefit plan. It may be appropriate to group certain similar plans. Also includes schedule for fair value of plan assets by major categories of plan assets 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 or liabilities (Level 1), Significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } }, "auth_ref": ["r5", "r27", "r28", "r29", "r30"] }, "us-gaap_ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": ["http://cvdequipment.com/role/EarningsPerShareTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING", "documentation": "Tabular 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." } } }, "auth_ref": ["r553"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable", "presentation": ["http://cvdequipment.com/role/ScheduleOfStockBasedCompensationExpenseDetails"], "lang": { "en-us": { "role": { "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "documentation": "Disclosure of information about amount recognized for award under share-based payment arrangement. Includes, but is not limited to, amount expensed in statement of income or comprehensive income, amount capitalized in statement of financial position, and corresponding reporting line item in financial statements." } } }, "auth_ref": ["r37"] }, "us-gaap_ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF STOCK BASED COMPENSATION EXPENSE", "documentation": "Tabular disclosure of allocation of amount expensed and capitalized for award under share-based payment arrangement to statement of income or comprehensive income and statement of financial position. Includes, but is not limited to, corresponding line item in financial statement." } } }, "auth_ref": ["r37"] }, "us-gaap_ScheduleOfInventoryCurrentTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfInventoryCurrentTableTextBlock", "presentation": ["http://cvdequipment.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": ["r12", "r59", "r60", "r61"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTable", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Schedule of Segment Reporting Information, by Segment [Table]", "documentation": "Disclosure of information about profit (loss) and total assets by reportable segment." } } }, "auth_ref": ["r20", "r21", "r22"] }, "us-gaap_ScheduleOfSegmentReportingInformationBySegmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfSegmentReportingInformationBySegmentTextBlock", "presentation": ["http://cvdequipment.com/role/SegmentReportingTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF SEGMENTS", "documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth_ref": ["r20", "r21", "r22"] }, "us-gaap_ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationArrangementsByShareBasedPaymentAwardTable", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "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": ["r264", "r265", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293"] }, "us-gaap_ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTable", "presentation": ["http://cvdequipment.com/role/ScheduleOfOutstandingAndExercisableOptionsRangesOfExercisePricesDetails"], "lang": { "en-us": { "role": { "label": "Share-Based Payment Arrangement, Option, Exercise Price Range [Table]", "documentation": "Disclosure of information about share-based payment arrangement by range of exercise prices." } } }, "auth_ref": ["r31"] }, "us-gaap_ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES", "documentation": "Tabular disclosure of option exercise prices, by grouped ranges, including the upper and lower limits of the price range, the number of shares under option, weighted average exercise price and remaining contractual option terms." } } }, "auth_ref": ["r31"] }, "us-gaap_ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF STOCK OPTIONS AWARDS", "documentation": "Tabular 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." } } }, "auth_ref": ["r7", "r8", "r82"] }, "us-gaap_ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseTables"], "lang": { "en-us": { "role": { "label": "SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS", "documentation": "Tabular disclosure of the significant assumptions used during the year to estimate the fair value of stock options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions." } } }, "auth_ref": ["r86"] }, "dei_Security12bTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12bTitle", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Title of 12(b) Security", "documentation": "Title of a 12(b) registered security." } } }, "auth_ref": ["r518"] }, "dei_Security12gTitle": { "xbrltype": "securityTitleItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "Security12gTitle", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Title of 12(g) Security", "documentation": "Title of a 12(g) registered security." } } }, "auth_ref": ["r522"] }, "dei_SecurityExchangeName": { "xbrltype": "edgarExchangeCodeItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityExchangeName", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security Exchange Name", "documentation": "Name of the Exchange on which a security is registered." } } }, "auth_ref": ["r521"] }, "dei_SecurityReportingObligation": { "xbrltype": "securityReportingObligationItemType", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "SecurityReportingObligation", "presentation": ["http://cvdequipment.com/role/Cover"], "lang": { "en-us": { "role": { "label": "Security Reporting Obligation", "documentation": "15(d), indicating whether the security has a reporting obligation under that section of the Exchange Act." } } }, "auth_ref": ["r527"] }, "us-gaap_SegmentDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentDomain", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "documentation": "Components of an entity that engage in business activities from which they may earn revenue and incur expenses, including transactions with other components of the same entity." } } }, "auth_ref": ["r92", "r93", "r94", "r95", "r162", "r165", "r168", "r169", "r170", "r171", "r172", "r173", "r174", "r175", "r176", "r177", "r178", "r179", "r181", "r182", "r183", "r184", "r185", "r186", "r187", "r188", "r190", "r191", "r192", "r196", "r207", "r208", "r209", "r210", "r211", "r212", "r213", "r214", "r215", "r216", "r222", "r223", "r381", "r382", "r383", "r384", "r385", "r386", "r387", "r388", "r389", "r390", "r391", "r475", "r478", "r479", "r483", "r503", "r583", "r585", "r586", "r587", "r588", "r589", "r590", "r591", "r592", "r593", "r594", "r595", "r596", "r597", "r598", "r599", "r600", "r601", "r602", "r603", "r604", "r605", "r606", "r607", "r608", "r609", "r610", "r611", "r612"] }, "us-gaap_SegmentExpenditureAdditionToLongLivedAssets": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentExpenditureAdditionToLongLivedAssets", "crdr": "debit", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails"], "lang": { "en-us": { "role": { "label": "Purchase of property, plant & equipment", "documentation": "Amount of expenditure for addition to long-lived assets included in determination of segment assets by chief operating decision maker (CODM) or otherwise regularly provided to CODM. Excludes expenditure for addition to financial instrument, long-term customer relationship of financial institution, mortgage and other servicing rights, deferred policy acquisition cost, and deferred tax assets." } } }, "auth_ref": ["r162", "r179", "r190", "r478", "r479"] }, "us-gaap_SegmentReportingAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingAbstract", "lang": { "en-us": { "role": { "label": "Segment Reporting [Abstract]" } } }, "auth_ref": [] }, "us-gaap_SegmentReportingDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingDisclosureTextBlock", "presentation": ["http://cvdequipment.com/role/SegmentReporting"], "lang": { "en-us": { "role": { "label": "SEGMENT REPORTING", "documentation": "The 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." } } }, "auth_ref": ["r95", "r162", "r164", "r165", "r166", "r167", "r168", "r180", "r182", "r183", "r188", "r189", "r190", "r191", "r192", "r193", "r194", "r196", "r474", "r476", "r477", "r478", "r480", "r481", "r482"] }, "us-gaap_SegmentReportingInformationLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SegmentReportingInformationLineItems", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetails", "http://cvdequipment.com/role/SegmentReportingDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Segment Reporting Information [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Includes, but is not limited to, combination of market, performance or service condition." } } }, "auth_ref": ["r493"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExercisePrice": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExercisePrice", "presentation": ["http://cvdequipment.com/role/ScheduleOfWeightedAverageAssumptionsDetails"], "lang": { "en-us": { "role": { "label": "Exercise price", "documentation": "Agreed-upon price for the exchange of the underlying asset relating to the share-based payment award." } } }, "auth_ref": [] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate", "presentation": ["http://cvdequipment.com/role/ScheduleOfWeightedAverageAssumptionsDetails"], "lang": { "en-us": { "role": { "label": "Dividend yield", "documentation": "The estimated dividend rate (a percentage of the share price) to be paid (expected dividends) to holders of the underlying shares over the option's term." } } }, "auth_ref": ["r291"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedVolatilityRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedVolatilityRate", "presentation": ["http://cvdequipment.com/role/ScheduleOfWeightedAverageAssumptionsDetails"], "lang": { "en-us": { "role": { "label": "Expected volatility", "documentation": "The estimated measure of the percentage by which a share price is expected to fluctuate during a period. Volatility also may be defined as a probability-weighted measure of the dispersion of returns about the mean. The volatility of a share price is the standard deviation of the continuously compounded rates of return on the share over a specified period. That is the same as the standard deviation of the differences in the natural logarithms of the stock prices plus dividends, if any, over the period." } } }, "auth_ref": ["r290"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsRiskFreeInterestRate": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsRiskFreeInterestRate", "presentation": ["http://cvdequipment.com/role/ScheduleOfWeightedAverageAssumptionsDetails"], "lang": { "en-us": { "role": { "label": "Risk-free interest rate", "documentation": "The risk-free interest rate assumption that is used in valuing an option on its own shares." } } }, "auth_ref": ["r292"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardLineItems", "presentation": ["http://cvdequipment.com/role/Stock-basedCompensationExpenseDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Share-Based Compensation Arrangement by Share-Based Payment Award [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": ["r264", "r265", "r268", "r269", "r270", "r271", "r272", "r273", "r274", "r275", "r276", "r277", "r278", "r279", "r280", "r281", "r282", "r283", "r284", "r285", "r286", "r287", "r288", "r289", "r290", "r291", "r292", "r293"] }, "us-gaap_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsExercisableNumber", "presentation": ["http://cvdequipment.com/role/EarningsPerShareDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Stock option exercisable", "documentation": "The number of shares into which fully or partially vested stock options outstanding as of the balance sheet date can be currently converted under the option plan." } } }, "auth_ref": 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Excludes shares or units issued under employee stock ownership plan (ESOP)." } } }, "auth_ref": ["r6", "r52", "r53", "r81"] }, "us-gaap_StockIssuedDuringPeriodSharesStockOptionsExercised": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodSharesStockOptionsExercised", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Exercise of stock options and issuance of shares, shares", "documentation": "Number of share options (or share units) exercised during the current period." } } }, "auth_ref": ["r6", "r52", "r53", "r81", "r276"] }, "us-gaap_StockIssuedDuringPeriodValueShareBasedCompensation": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockIssuedDuringPeriodValueShareBasedCompensation", "crdr": "credit", "presentation": ["http://cvdequipment.com/role/StatementsOfChangesInStockholdersEquity"], "lang": { "en-us": { "role": { "label": "Stock-based compensation", "documentation": "Value, after forfeiture, of shares issued under share-based payment arrangement. 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Excludes temporary equity and equity attributable to noncontrolling interest." } } }, "auth_ref": ["r53", "r56", "r57", "r78", "r422", "r438", "r460", "r461", "r498", "r516", "r548", "r563", "r575", "r615"] }, "us-gaap_StockholdersEquityAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "StockholdersEquityAbstract", "presentation": ["http://cvdequipment.com/role/BalanceSheets"], "lang": { "en-us": { "role": { "label": "Stockholders\u2019 equity:" } } }, "auth_ref": [] }, "us-gaap_SupplementalCashFlowInformationAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SupplementalCashFlowInformationAbstract", "presentation": ["http://cvdequipment.com/role/StatementsOfCashFlows"], "lang": { "en-us": { "role": { "label": "Supplemental disclosure of cash flow information:" } } }, "auth_ref": [] }, "CVV_TantalineSubsidiaryMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "TantalineSubsidiaryMember", "presentation": ["http://cvdequipment.com/role/ScheduleOfSegmentsDetailsParenthetical"], "lang": { "en-us": { "role": { "label": "Tantaline Subsidiary [Member]", "documentation": "Tantaline Subsidiary [Member]" } } }, "auth_ref": [] }, "CVV_ThreeCustomersMember": { "xbrltype": "domainItemType", "nsuri": "http://cvdequipment.com/20240630", "localname": "ThreeCustomersMember", "presentation": ["http://cvdequipment.com/role/ConcentrationOfCreditRiskDetailsNarrative"], "lang": { "en-us": { "role": { "label": "Three Customers [Member]", "documentation": "Three Customers [Member]" } } }, "auth_ref": [] }, "us-gaap_TimingOfTransferOfGoodOrServiceAxis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TimingOfTransferOfGoodOrServiceAxis", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "label": "Timing of Transfer of Good or Service [Axis]", "documentation": "Information by timing of transfer of good or service to customer." } } }, "auth_ref": ["r491", "r572"] }, "us-gaap_TimingOfTransferOfGoodOrServiceDomain": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "TimingOfTransferOfGoodOrServiceDomain", "presentation": ["http://cvdequipment.com/role/ScheduleOfDisaggregationOfRevenueDetails"], "lang": { "en-us": { "role": { "documentation": "Timing of transfer of good or service to customer. 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>!K*Y M#!Q+?*OQS[M&(!4@U#WX!E0P> MNP, JD 3=@D!.D2C2[T(!2)B\>*DS#Z^Z ZL MP:E6EW K VXM+)8VOQ#!QXRP2,)1VERMREXJUYW@Q>M1+W$? ^-?FVV ...

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MR_BLTK))I.UR0PFYS1&A*""NJ/!).%.IH$*G"JGKACS/QX#B191%>4D%HI9I-M(P7,X0PG!XDP,G-<6R+LT_V6NR1'JP3=9QCECQ@Q=]:__Z(!%^DX^JE$=^G-M%R**67D<>*F(0BIAZZ^.2
%S;X]PDB"(I(4G?X>DUD"5BF76S-B'T^8ZCH&@-M3U%+-;SOH56PQR!1\Q2.=/-@V&8+L/)=EI-,Y8AY/+Q.L+RC-"-&-M*AD(?*8(&*23MK_RHM_2->[W#_,T\3'F'I99,6UTNV_&6K;Y4RO(K799*0*
MB&=]\$H8>$P"-=*X:(Q8+C?SJ-,XC>:6^+\M'SU2@;-]GM$1E-"3[X(KE2P? M+Q@4H'/(H-1#T#F+(#!Z:)F.H%*I110]O1^BP[1@'$P=5A@=GNYC3*H(@85^TLJ5>AIH)H-?
J(U8F@7ZAB2"6BNWW-MRXNNLMTC[I%3>KLW3P&Z;.XDP")*9()08N5+I-A$U-MQ/3H[E-A[<[*I;67/;#B[+/+C>?M"D+A*,^J7X[,*G_XM?9$FJUK]Z1Y4FR2 MC1YHG'>_.^?
KIVJ#;Z<4AE*OCYYS%IX-EG-^K52IV_31&ZW21K]4^N><U<:?P M2:&&"356T),/P1PN(\%Y?+R6H)A-7EJL.(#)RL?4Y(X/+4 MZ-@"8X@8G>R9((_I."?,V,L>1W%__S'Y?
1\^>1&=V(WRL9>F!S((L^%74FQ#-M79N$ZE6<)L&,%,$0K@]:CH!$"9'5(O+I'_BH[IR+Y(GR'<_$V-MFIF*55-F-+YET13R8'AF-)(;"$L5E-8Z%RC&;-;E15'RQ:/+PW62(C_%09BC
M*"&6T#WYQDG,S/;/8?XXWF=Y+VLL4IL^M:#AII6C6"YD5IF4"]&AABFF/E(DL6-MFE-&X&E,7[E.T@+!+BEL6\0FDT3@FD1I?@?##0&H+@DJD1"X6&'W*T9I*1<-M(D&;9)
#;5*"EP)##"DTL=^!#VNF;D(1A^S0$L,=)_(DJZ);T_6,[/8\300:-M)^9ILL-I?I@3J#E9$-#%P(]N5\D'$[6*3<:8@&\22"4/QL88@.0#=14J%VA'-ME=C:#%=J,.[LG&<-
RWE'&M9TF&K*.AJI>+B2P>HH"(9+*G3B(0N(62HP*XVM-MB\%)/BI!'(Z4XQ"0AKX-O8W29:^-MA6K2R507C(WI"9B+9SX=74UOIZOI9(E&=]=HN9J___J7V>WU9+"\EW_^M_?O
M_O0_[Z>KOT/BJMGYB$K!$!\-3DKDTA-YU^_,)#HJ.J=3M<\Y]PYTC]-L MF[HK[&*#6@Q8M#7=E@#'R4\Z7,TKI"&P)MTCP.^#\A+*Y.WS!XU[-Z!Q,*0-M.*1$**-1E4?X>8=C",<5MTF\6>%T>XT?-
,<30DFKXY<<:FO@XL7 T$6.3394-M;V.2G\HY?1"/6?2%5 M?AH^8.&V0"]-&[PZH2B45CW4G+,J/U;.!;S01K3*T*Y2IZ:.)K!D"92;%)=W
M28[1NW?.K9[QE,OU7,MLDN5X=J7=Q3*>6[5/5B"M\9K#OG;?6R;L:JJEWOD6-M2SJW3$;P^$?UFK.KVMNH8A2[BW?F6,4OM#_Z+N/,XFA,#5@;HS0ND(Q*[UUR M*/OB_7;"7\'>=^_=[J9"M;N-
F>)/SFG5N%.J]-GFQ.RNU<0@V^NRM@P8NDB M\>LM=D4WHW+H$OVOM)"-?8=V7HJ>V$TVQIMW?T3OWUZ\?+?WO_AXL.'?T-CO[//L;HP]L+1+G-1.GG M?[WXP[MW]/,U]C$-
D((^O&,B'YQ3=!0$[-J4%\V],)C&8V\7$NOS25X)D*<-DG=-.GV08-MST9<3^-.IG6P5@2+?.*%02:=T3DGCLXSXT2'#EB^-*?XT,-BG"%:[;J43>
MT[$Q]L^]=):RJ_&!*K9&+TU'JQ!=420+$YD:F"'4'*MJ^7)Q7+=-XE\1]FA4-M+Y?T=R3(F%N5M%->M2$K.56(PN53-M"Y\1EXHM$W@\DD?=,U-
QRBA)Q#T3>;C,3AI"B1BWP$X[WF#J!B%R,)LJ^M*>$-MI\X@Y+_!RGN6;MJ1^N=#!?C>GHZJR^DR)>?\'2=9/EN7:*3V-MOR5C=SP5P&L/H-T!,#P1H>*'R(QY6:1-F/-Q3;)LGB9KZ3Y^2\
(F"P30FAQH-M?(:UM<4#ZY*-2:-=$W'.@-D.IQX-'#HIG?0ULR*%O-7+RCK8K0O+,F$PMD.'-MD+NX7,G#N5NQP!DFM4G#4!@H!MDX"6Q)@:"*$Q3ER%4+%FF>'D)DB%
M%B.:U])S3S]>)6":8!W6*61-8.I7XL*!7C#3UY-M4TZSU3AY;W-'+]U(-M7=YEPM:CPT@!<]%B.$DP-DH)C]N6K.60SP2=$X=;.I@N,1POV(P6:K"6]C)X-M8C>5!-X:K2Y-L;M.C:*NJ$U))WSAH0H9PE
MZS4;1-9Z-GED7(PFJ[1*8-8O4Z3BR'=A<02-(5>,INT.P?T@(K-S2-M2-NJ22I.+3%FAZJE%:E:7+.JYLDQ>$F+B&F[EX=5ZL49,:]D'5FM1*_PFLC(-MS_I[I6"3=R<4K9$@U5
MIU48[TF9RF5QIRQG2((R]]##-\99%_*8^6@D[J=(N'@;,-MT;Z3Z*!5QSN:#I(=&&,]?!F%)Q0/+-'*WN?>,Y!N20I86I4K'&.YMYA4VGYW-MD$+FJY177A;ZDH))9&WR0@FWR0^A(!CSH4(G"]V]
6O\AH/54"7Z('J M@.//=1CM<^E%0ZFT2PYU(*M85(J"Y5$;GRF3@D++.9=^QN'FD0-9/9&YW-;?-M[6G-I]F:N^:F.>CJGXQ-]IU:R"8M^Z8!AJ\G-N\2N4H&>44Z+4*['U_2ZD:-M:WNF
9'!TK&Y5P*OCKNJL?P*Q)@M*4DY>)>\^Z=-"@".ZHIHP%)9$M!YJL'-MA40',B>H[QFOZ'LWDB)WA>P&&A,!,<9:TJ-X8D0%A\CMK[FS<3;KR-02=$(,#*B1'+06/(%UH"I)04<1DE4P9M-
I/#/SWWFK%DV58F-2D-MYM)DP,G/+CO"E'#(?TDB-7!LLD.#N[=GNE-MTJ-3B-OLQBZS'$7M]2E@Q9VQB0?.J/4<N17D\J-M*#<@]$H%##%/ABY\$.#R@4K3'95:'"J7"\-W#C*K4P+
9I.B&M!9E0QT/AM@-M-R6TR1#HWDC3;[,=\VF8/./4#S/IN;?A@X.5Y"167@91H#QAKP'>TMW%!H^NRJ4@7[!XM[L-.UN/O>SQ)DJ^Z"*4-MJ56<,;TJP-LW:07R@$RP%J1\XY;84ZJ$F!:DD*YW.*?
YFGR%-8XN#KQKO"/=(&1@:-B]+7W'^Q\J+BDU;!+'J350IQ,+90-MCY%SB&IH% $0&SK.V45,>(H)Z:)Q<^FT:9AU'13AI[ZEF^,]2M6YPZ9F3(8-M5O9%S,U\6<2#C(ZE'I-G1&T\R\=N%-
/%'EZOL4^^DS]ED1?=C[Q\=8QV]F3-M2069O>#P2>$1:*;JELKRPJA9S.O!"RMCC%GPZ"T3I'/&4A(@#T?OC;->:EPA-MBA3KP.;J#SK\94LB7MA8@36G(L)AD%$J#CVITW%)1-%]-OH8"-M?
+KQ8/EKX[4$0'*Q"#A%H*:\F)V8SVH$JHZGE=+":&:4G!Y\XDDQBV,<^84D-M7"M731GFWN&D&6&M!V,ZV"F&V5RP5(*V=6,*6#H+W!5B,%F7[DG7.RZN^M0!
MI^J<>Y+":.G7T%5!1C%!I"0"L*)$FXV9:T*=C*N$4TJ\-8C7![KTGJ).3-MU@2^=&W2V/QQSE-S$]X7'Q%#/;M_V9D]N>J!_'7"+[LIH#P"ALK8(WRT&#Q1E-M0@!8;%!0-S8K4@&S_7XR=)T'2EBE
.I@FTS!2V>-D?_[/DPQ*3CI@/EA3@J3-MC^*.H&R!P8E]=4G-9M$[E^P)H'-M:$MJ7LC[_)V3D-]DCD'.Q?:E(-M4HQ9]'?TA4Q^X3X29SYRO'CH@3HG>-E_%F1@FC
/5\7ZU"8(V[L+]BNXNUEA#P&L/NVD["*[-M$)3:,!^%V@BZC="'-GOB-;Y=[]X&0@'QX>!AFBQ-MWA!>C24XL7+/9@=ZY@\Q,*.#\@O7ZZ*>C[P!-&-/W(]AV/RN3HX@>_ZV8-M"C
.B9/R]^(J)K\;L=3.G>#],A>QR!E>5-7;F,;K)-T6-PHU@5!,M:W>&NY7-MI-8U8C-5,L$_?!R-XP;VO1$RH^2;)^RW0*-VATEDZXZ.?<'_8VW$.=>&-RI-MKBEQ@DX>".2-"M\&K*7,$L*3?XB(*9.SJ%
[DU:]@JEC2$?*+CV$$-O<:(D-M(H8(%\^*0@H(THG?!K,+XE"WR#.C$+!:K08+?!6S!>I-!CV:"%*[D_0J7VE-M-2FHU]4^"V.<9=-'5SIKRO\G%\1#+])*N:4A&PR-M\?2"-AG:/Q4PS#T9.A?
_<+2<+M'L!LT7D^7D;C5:36=WSHF\##=QN-Y]ZE['-M]5$=>4V5K:X">A6HM0@PT@I#S%YPN27_:=/H\7?*1V7TX]WTYOI>'2W0]/Q-M>'9_MYK>?43SV>UT/)TLG3-T$6:_9:3+W9.F3W,OC
W<>30Z5KTB3."W7"-4-M"F#89X*R2SJFP-9'6EJ0QO4Q;5!Z\8A:=(KWNEX>ZXRAF:K5W?,>A6GM)1KH-M@2%B#[#<=MWL;DP&X@4;B:DI"'\FU],56DR7?W7.Q-5^PO>$4T<085@/C0$T-MU;:K(-
:K2&U_2-5,*SLAY?)W?T$+2;C&9E,@EC85*%G#L?Q0!M!4*%A=Y=0"[V]8R@5-M!T,P/499Z*.#.JI-,GJ"$ND,G5K%,<.4!DTE#YEC.L,UO2.&:S5;0%CG4K=R-M8ULE$[8;5%
<%N!U/5R0)ACA*>'P4W8<-M%;HN>6YG=Q\O5Y/%;W0]N5HY)\S$2ZGS%/7:9"'*-49'+FZ3-CK03>;(9,&0-M1P.0>UNL%$=$'C$%2/:G6QB=#5+(NR24TA9)A<%22F>3)J/%W?3NXQ+-)PNT
M_,MH,7%.I./P.ELW7TQ8X(A>V!LG65X\H\I>2:@NW>FF3"]J,U.K4ZBP5TJ"-MO2A%,.0^2S&XPS"J<,G>YT"E"AJE*,VHP/X&%S#&*-RW-5++_.$+\X59!]0UT%-M)W4.<9*OKWVSU
M*32<^(N:;O5)Q<&04(]1XDI*5(-NK-5%TN_UJ50<4TRSUR>7ATPR-5X?,5X3-MM!K]#Z.Y,2,6MNE9I0+>AIL[,6FD@H[),$?-*B%4I-3]J+:+V+PB-M*J@3'U[HZL4E-LCA2U+-'FY?G13-T/@DV#%*71?
HJ]R8.@3PI6SJ$-MF)%3+N[$-<>-<#)9>"^"*'%"?C5NF9-IBI<&\S0)]J1C>/1<("\+(IO@JW6L-M+J=,X+
<64BH%,";+!*4@1"*5196P&2R%3'0MKW?,B]-9U.@5P1"S#UIN$VK\E\GU->V$7IBZGBY"S\N)A_K-M*U3E58"7\M)->F)<>_O#A[>,;^//GW]=^H\XV$?L<#-CKX%D>;BE)YN5S\LT
MGCS[.,MFZZLPBN@O2B*>*U$;##UO!5#JGB=%YYP^:S%49!-/EBLTNKM&D^5J-M^FFTFI"_*M^I*3T-T^6[(+_U?3VEO[JW#@?JZ6>@9>OYAK99W-UJU/:GH5J-MS6X-=9V3^D3
*OI"NNMP+%;76Y$&UO#9#G.T)VW)T][IN:&MB<56W-M.7=^CCK6,-4FZ7KGS0QBYQRDA*KNRSP-$6!/PV/E<&Z4HR]D/=Y\LN.S%^V+-M*LJR_;XK>=P=IY,W'3&>(P>-W>Z,Q5+U-
6Y@"'V7]Y_FM+M!FA^*-MK4ZS-LHW1@XGJZV^";ON3Z=U5A*X/]4L5=+\YJ2CZ+<6E6=-XT^GFTN'X%?83^-MFHWV^6.2TC'Y/@[(+/M8'?1)W>SJ4+TL-4_)&+^@=UY>W(?.D#&H/G:VBNS5
M!U^WR:+\70YNJ*?RYZ]&-U]G+-MO/+K!,T7TS&H-M#9.N]V@C[/O5H?S8HP?W2\U1MSRER)*^UB#9%F!EJ%DF"8982G@"@W841E0:
M_<+DW=]EX,IQ&\9XFN.M=$A5*#AE$@=DNI=1(:91LOS&I+T#WK3VY!ARJF<-4/F$'[7W5^SB,Z1'[Q2"/=).EULG_(U_NH-M=)G-J-Z9A]4FH4XK7>B6J3P)@"'D*:NXMJ2H-M$Y2%)2I
M(*],QCESN3G!'*?T!V^#WYE.(UHJ3F=H-O#*.5I#'@SK#$"JYVDIT;F@;[V6-M6LXYIO+XEE2"6@6*5[Z(8RIY,!PS-"FX2=]0H>^U5MI?VH1Q@J-M>T4&*LY9U
\G/J\CFB@E1L5&QB7ZE07ZE!PK$6K[\%$O^%>YVDZ!D-AE;?)"-MJ]C"8#@@@P5%S"[DD.X%!S.<(BNLO4S(GU2L&I0^A>M95S,U:V2*Z<#R:W*-MVO0&+K8\-'H6YIA([=#^F-31)@U"T?HJ97)-4
@*W!6P13-QL(H_[:]VZ/%C-M08^83J!Q(".($!GWD'0IA/($!41LD*-]PX4G!W=M5H!:(6NKP;5PJ[:7"L*Q-M$CJ(73X0>=+/LYQ..S!3HN-"I^M@.\FL.((-)+6B-M@I8_\D[K&ZY'.I;VTCD?
13M@=8^LBUWAEQ]\]4K$\DGC"07LG#WV2-$,9T^"-M+76WKLVK<\;6(4T6WI=/9*Z1AEXD.R&2R#J)S"F"*PS+V10PR85.B[RG/<%-M;2L9.'SY.4E_F\;S-*%S
UTQ.\).&",$+*1,2Q(>9T3PNJ2A,I=A?+DKI.#0-MYH.,^-DC#CXF2:"E34?8"6V$@(6T:4G"HXT(7IQA[1DIL@QQTGJ]+-H.9Z8K5EG72(45PA?1H"L+KC@)TLACLI@1>.7\0W]UBO%]"$"X
M^>^S_!&G*'_T8M16@F+'SU!3NA'@O%G8W>PZ?^6TM\+.ESZ87CA-H8;H?Y"&-MR&O\D$_C+$_W%/2-YV/E'3NYN%4';0WHEF.V1!8,:34-NP2\33SJ71C&?KCS-M(BB7[SJ%2/'O>QS[A]FZB
0:^F4L0[,Z4*@[I)FV4-K.276ATE-'6$S+0@3E-M.-T"H^0I/-1$OMZ,>QTT,^?6!=HF-+/>BJ!AS(5J_:4SXC[-\X>5X-MF5,?FN/M0:-42?@CH0F!9,S4J4-E)X&4D(5V,"SU4*IQSQRPZ7[&X>:1(!X]-MX93
O=MO'W!:1F#,9OL\HZ&/PGC#0NZ+6]]7-I,WP@W>'#P-/N=K2[^B+V5:-MR"L20WZR)>8(92PQE\Q3+W&?DY]]Y+=\IE"7Q:HREM@#"IB?MR1E,@)92\I[%
MD=]7!W$H_C*:>*,^BOJ2;0V?/Q^K1P-#55/K9.#_MJFY61OVFP]&@W4R0SVOJ9M)J.F=L%FCS3C.BDDZPR&I')+U!Q-MH-+FX/L\=76K.?L^>RXV^^=-5=3LF6?.-DR?'*9<
_3&6T#'X&5]E&M=KKK*-MPDAJW%39=KA0\P)UXX3J-:'M8/1"#=,IFB%GCQNI)KFE@/6U20L8MZA@7\&8-M0-Z2>J_HQ(PFOV4I6M,-V-UC=-M9L@B_23%N.FO9:
5QOJ^VWZJJ<,!>*\KTZ^RSBI)R03>(Z.6:R)K[-M$=KKM0_Z^GCH8\6.-W*'CD9,D/K_730BN,ZZ"'"YP>J90Q91.HA&X1JC,\.8-M'-"79M_!Z)/G<2]9)%%TDZ3TX_"^+*W,7L68:51A_-DT-
7*"'U0>'*I[JM*F9-M7>O"Y<,!"4^E:+H7J,R6_",&/U"LT9EWLI3J-=!29L>=G:=6'?L:'*9>VFN-M.@8:KIA*3R"/)M%R;[U-#W@3QC3$)'KP(AI?\M4/%A_IT]C9-"Z.B3^FB33X-MVB
YO:9A0E%5Y^R5@FR^F@%"7C:#KGB!-E0=O^)]RK(:R."TQF&^)\U3U<5-M%2[,Z35U.D55G;/3";*\H;$\$4TZGOK0EW=^P-3R=&,ZH.#&=4D'I1(\D+V
MGD_A8LK^M4RF&C73N7W5.CFG"Y2UK56Y,9#7-"J<7M$#]79#%%_-1.[DHEO:-M!;A-%2Q4XD*U8PI#AGX9/60L>+I[1U5+C>&6"E^E@7%H5;[RG1J#HG,QRKL7
ME"+%>W5[^1DO1;70UB"F+X>HS!:07O;1&^HCTNJ+-6%R>,]O;#C(K^HGDK-MM!VS^K*XN!;9K]EHGS\F*;TI>A\'.&7;@D7ES4DQ2.=O;QK0>C>+53!,IFZ"
M%@Q9@=>+H!4/D=&2*;L5',W-MK4ZS-LHW1@XGJZV^";ON3Z=U5A*X/]4L5=+\YJ2CZ+<6E6=-XT^GFTN'X%?83^-MFHWV^6.2TC'Y/@[(+/M8'?1)W>SJ4+TL-4_)&+^@=UY>W(?.D#&H/G:VBNS5
(]:1+U[U$=5%$].;ZN;GJ_V]GNIER6K[:;2BIOL&[:R>_K[*B-M0IIUTSW5_1]I:15WM[%+4.X;V&@25>ZOMO/JJW2P?BS/^NOLTMKR=GMWH=",
M#PXN<"UWR>S$NN'KI+/]M\!;+Z1GS.,D9JXF>R^B-]+>]]H"YP"=^XN4SII$-M?^O2.C18E@5,??2R/!=\^/JT2A_YQPQ@/'-EMZ);*E>57\Q5<<+0[QZW*XA?-MK\$R:QQW5DN-
[[^IZ3*JE)?:K-8I(0R;=9Y3U"DQQV&&?!PQK('N<>(5-:O!'7J8&7)&3+EKV\H)28IZ?BC*(OAMXE:Z&,.F"-M/*;S2B]>.@P-:=>(&;S-V0AE0'&0-WG/V5QRO[O,\YR&C^9;@5EI-Y\\M7;
M*$]!SY_7]]@<,:FNL^R+J@R;IJME$[9[9X*5;2KM6@TP%-,4+,N"ONCW)H\-M6Q:O8E6FJ)RS#"*'&U'UKO,GJMNI/A_[$9&"T8=.L2=DL1*F3%@?V?@\Z,^*
MT4I6+6<9H;J)P^HW9RR1X!&74LR@W[@TJE]A+'7M^-8H/#:&"YK+TR+PR"Z-MNYTU)DP9F(7*9+N+D@/&2YP^D<*)Z_$NB>D,#Q56]^'R=9?I?D?\?Y-M-OO))J:'ZI*&&C_FT/-X-76[
F##909FB7BZA-VN>A^GM4A[M]0GB;QXJ1N-MKRS,VTV2EC]1.=GRQC:(KZ+_*BO82J<6(OCZ>[JJV#V[-P5BC\,B$3"+L>-)M/-[0Z1I2-PG,9.<&,_FU+(Y<#.WI8"%-M[1X%-9M0KY-;)-
[=O='Y@VTH[FXYVX]^;[&:S+I"*YP3/[(V<6@-MZS#S24^C<>C-%EE&:,A97O4HGGAA99-'Z?@+K+XE(3E;J(ZH)9*.I9*-MMU@RU+5)TU[%:=+32!$,+?N@-
:+C41U6@.*/7AC3B=&,%G"79&SXF*V+44.V-M":U3LDE(LP(TF:C6-$-!(YA=[E$%1);EF5?L+7DN5Y0,ZG2[*4SB#&CUZZ-MP?*%.B<);R&AP2E"\U]?1(ZLE<#F5E-U$"GF;?5T+N\DIJ3"8
M#YJ#J+KK6FU=9*6*HRZ*P$\XWN-J64V#]?T?:C/8VX0WL"-M^6]-UM:BMCHA&7C&X26%Z#9UF1:BM5V'041?2'+(+].CEYO+%)F9ITFBW'L>-MYDJ11Z?H<[)3.<>^FA&(9&<7
;^O0FTY@L'4SIZ#:G-LXRF@^=54H5^8PJKIV"AHM#?U=0Y^'ZPV<8[3-M\P]]']1#GZL9&WH/80166R)5RJ-SX".O42HN*7A4>,K,WE!XEMK")+7GEH=-M-@2]P.
(5F'O8.YK"DJ50KNN_=]"0QPU;ZO!%ANE)EH=;>D5^XJ4TFFXVC4E_M)]U\MKX*V5E9L7F[PL_Y%9EQ_L9-;%Z<(JCF/UMQI#Y#LS6B22.2-JH31U7J-M:!JC(GTJ6.50[H[2AN3J\]NR-7=RV'NFP
MN.ZPN.JPD%JZMDC)-0'9;2B57#3(-5YC:G&KA<<"1[1-KA/I=-K-M@&HB8B"DTRFB-)%2D_S!5&G-<3P@%9E7BYK#D7-5)-&"PE@15-OV1,"HY_PO2XH]N_[EO@[:4!R;EA?5ZA
M=W]XBTI9]LA[6*&?!MX\6B38G8_=Y7<[./@D^<_TDA0AY'-^SXLSJ"%;=-+-M&52@G8*-0Y1<-@SA176B(6X.3@!4(\C0?K2>4-
(FX27@)40TCA<5LYGZ]1+>ET-M&7D]%M=T_0%4!7=1<>NWZ[%3Z]{J7N),2E<-5.W*T"&@SO]3P$J"J6PI/9"UJ29?VOJNK+#_&"=1L@DQ/2<7U[]&'%1CF&'MM@S5
M0J4W3U,/$46G9OTU.C)#HL-@Q>-&K/*.U^Z857E^PQP-HB(WY!?9U6+TZ-<8-MO\63>$4[V9&,<,HY2&4C6^PE-C!OTF(C+3CW":9+M^%^RG.Q\!E6_8FR<-MF+!"8"J:QDZ
MWA6^D'.Z)>B1M0H%+._;T^14WS4H"J6P%.<=G/=<6S-\D>-MDR@@0WCA3R6J>%[JUW\%4_$*<-Q:GWV^0*.<+)(>]CF[=)4G:.[!X/XH#LP:-M1*<#LU^HH2IZ"=LR*\0=-1)
[4'.>)NM0:)D:GP%5O0A5MY:9#"J$7-5M'4NK-MV)V]VF=D22<.<"R3A53K.HA<$]-X&]O62C:A-6CJP**TXZ\'2YV%"'-MG:Z$-#6'')L\Y/3$X-'P->N\"E]*VL$$);^?6>A4#7*!-MFFJ.6J<)H8A)7:
(3M8U4&%#+Z#%RUP0;&JA00=^62M^Y?$LPF^WS+^>S!4E7-MX80LQVI1SF.EV(2W&[APM23$!>X^*TWCD^_122[,/@Z?9/&J3?0-5XON/PH4RBA;RMU-M^B0-JE)-QR3-*
(HCA/;R3%K2ZDZZ";5HS9LV7$K9..X#MG($@/3QM/XB1B2-M))7$NE(J@&Y'$4[#EFNH@FFG6?Z(TW(73_Z$A8D>Z%93P#5L/)9"M=^)G#ZG-M)!\OR%C>?TPLE4"WGPQKW]&PU(?
4<.D>!YK(@"9ZT)M/!M>\!6D*R%VHP7Y#-M>QU.X_0Y39T$Z*8U0_["N4V=H*M=$YR/R7)HGB9/88"#]\,]63F14:7:1ACY-M>?@D[;[FVH!:^@30HGA,-U4)4(?'/V6ID/:^CMTW+$\IN6H?
$)H'L:VSHI]\9V@MW]H2,YQ&B8!/_O-^]/GOU>G"P\(\6:^Q+^S(=A>S-MXIFC@HM&^XN"K8WT+]-Q:U2(T/R;\Y\V1H$)"59P%Z&ABIHB&).#!;C72/ZZ
M1(5CBQ=]3)/]CFC05Q>+UYYQ<'SL^>S4[YD_H!-A)\4>CO9':E>0$,/$-)NH-MT!&6LQVJXISA,"=3>?@!U!)PO(@FHA\IM+I0(Q5DP^%_5+^$\-3!?9"W,LW-M!2]!+0QS;YX.]/CV,!I'-DH6V[X0>YV!
[6%4N!Z?8)$AU@#E-5P'KHZ'$6J-MX+=?O)2,UFQ,O$G2-0YS^O#Z-"[FDN8>5R_*!M"0-F3I5+Y>S=R:#E]TX2KT-M":-Y7J-RUPO4R)<>UQ0YOU(B-OP/?\;AYI&,'J,G,G/;X%;DNB'(:9@U-)OE
MJL1#DKB!Y0)5%>)![5C$-JXW?SIEOQ%%YN*J?^(O]'HW237_X_4$L#!!0 (M-!.-#!!-=+=J1]2\ +T) P-4-8W9V+3(P,C0P-C,P7W!R92YX,L,6SM?5MS-MXSBRYOM&
[_0UD9E]#ZXZ]H]TSW3>T*69(^B;4E'DJNZ]Z6#)B&9IRA"Y(N-MJW-4A*HDA<*5(]J3TQ,U5E-R#R^Q*73"02__R/EU70>48D\G'XRYOWW[][-MTT&ABST_7/[RYF%VU9WUAL,WG2AV0L\)
<(A^>1/B---Q---[G_^C0---SS?UU=-M=6Y\%'@_=_K8O1J&"_R/SLA9H9\[MRA$Q(DQ^4?GLQ,D["?XQ@\0Z?3P:AV@-M&-%?!_^N?/#]Q\^.IVK*XUV/Z/0P^1A.MRU^Q3'Z^CGMV^_??OV?8B?
G6^8-M?(V^=_%*K\%9{,1)M&OMW<.^-MFW_VV\V?O,5F^_?#NW?NWOJW?S=PGM"#N_)#AYJ(WVUJL%5Z]]S_]]/;]+?;
MHI62+X\DV'[CX]MM=W8MT]_ZDO*%GD3^SU'-O3OL.G%*N_(S'6$)]]^K;;$K-MJ.KJQ^N/K[__B7RWFS!3Q$D.$!3M.BP/RE[NZ^ZSQ[Z=^*O5RB,&6EO68&W-M/4R5DO8VK?I$T.*7-^[S,-W
AT_O?OSXCC7_OP_*Q)LUU\Z@4F_N!6;ZR0,/XC]*!HOQFLVYJE2-MJ8"35VJG<[TG]URB:!C.8NQ^?<*!1Z>?-:T3;PQZJ]%%*2]UWHJ>;-'\S@;92-MITG=C'SZA0E!$?UYRI]2*84U&D0L6:T]A.FC#.!L-

E#V"/#^>^M%7Y4RHJ-=<%Z?H&84)K>!B"HT& MZ^(*S75J&-)OT*V&FEE.R>:Z<8?#Y56,R*J/'F-%1[AEF^O*P"$A5=5H@LCL MB<[_BMZ(BC8Q\SZ>3I*)3LBJGGO4,G?W;_M6P6J,^;
<>0R4W595:V6ZU>J9L'Q[\YU6O^253C7W:775I(GV)B"]KDHKM;H! M[:/8\8-HY!"V%7I6+2L&+9QZJC*4Y+A&3["!-93'N)T&^7&?D)<$:+SH^Y&S M7!*TS'N13[!Y%U2,&#;3A@]',7=T!M$L;^B-
J&WG>^&=-YP4415_]H/-O83 M4YEJM]SF*FFH8_H-M,%-84TT!5]CI M^T%"Q\X7Y"^?Z)_=9T2<):++^PJ'Z7XD&B=QZGFG \E429KX2'O;.T.J=*NW MP5:Z\[H6;+Q,63%IK
UA2FK0C:)DM4Y=KZ.2:+4&B?C['/=;P[QC+NO;*&_M;A=&EL\7Q!QZ=Z [H[SCDQ3S_)XD?\&38COFB\C7SE5,:/Z3ZW5F.MJ&!F MY9@K'K_>";IHI>FA6;] AF!
()\]H2!@EJ83:FDYK[PF['^#A%TLIP7 M#YA#N4^7%GWL"U4TX?^[+?!7I-5B8(*(CSVZI!,-["N%-5'_"1)U@82@>-]" M3Q?M75%M^P<>[))X0%#?^)'K!%F/;NC/(CGFL(BZM"SF(-:H2\L28#\+8CS?
L@M,H63WN':>' M6%=+Z6(,8G2*A +!=NMI"&-V;TN&;[FD+L8@MJ9,.!"<>VG@53_/?3R*]K(M@*X4U44:Q,:4B@<"]83X+&QOYKQJ2:-:5A=L$,M2+B (VG/G9>A1J=+X2 :2 M&G1A%5WL0
MA2O*_[CS0_1>1@6WN/89$1P!$C$M@?V#&>P?]&$'L4.58EH"^TJ6&+O2 M)JI<6%"%SQ9Y'6W?EM3%&]!.=.2U$H42E(KKX@MBJ7'%.#2ECF"!'K+Z')70!!3% -><*<&,\[S,X^GG H M]
<=62^GB"F))BH0Z]<3+@HDCX=-O_%H[@@UD6BV+<6(8OQ_ICU@=[&2,/?1 M"$[%!$5UX04Q_Z3BG1CJ67H#FET)N*<[1.+O[RXJD0T6UW&L?%;AN0\6(AFGEEY741![UU(+"
(C^,H@014_PYM719 #'[=(4^ M]3R#W(1.>YOW'Q[G[,:,8):IE-+%&L3D$PEU8FQ'>$X<=JMQMED]XD!\/81; M4!=A$-/(MJ)03[H!Q->4A%=8$$L.ZXX0'/"X,5-4T>*HQ?X)74!!K'T9,*!
MS;U+K;EW:3CW@EA\(J& L-W=K!T_!O[R((4G'V9N!>U[-I^(2T0]]?V]],H/ M2UE-5FD_:NA?^+ +BNH"#G-%4B;>J:%./)\EM4B[=..'3NA2DVJ?45> NK*6
M+@$P=R@UA09Q[W]!0?!KB+^%,^1$.$1>MM67>?B%5719 #Q#5(@+0L%G"'04 M)9(&@A+!&! 4U84<\.Q0(!Y,[&46U+Q;>[*W"62(BVKH-@]XB"@7%B@^+4:L
MS_XSZCNQD_=0AK^HAB[^@ >*2'*)+.+:6"NB #QKQR10,!>;!"9$DGM5N"O\5/^=U.&=B""KJ@ T:V M2D6% ?]E?X\\N_\F19Y36CL[2#L0B&ATF[L$@[/TN>BB !U67E=W$$O5HH%
M/3'RX_@)D> +^*>W,D-HLJ '=2U=%D#,55VA8=;6PDU^Z=)Z4$X7;T##E"<8 MS)VIY#'PW9L_.]}]^4$VDD?SFTYN-.6"#P7COA5Y*L8WXM00'&@7%.TO>B'O>C-% M"T18F,
(/9#YZJS.YA(,_2;X01\MC?(ASX M'E.W3MY2)VNJ\]U#Z&1G'/_W^"RU"R=Z3(E*HJNEXZPS/4-!'&U_LE>X_=_ M[+H\7NS.5R8X,]TDZ6SSZGJUCQ\\=23K1A%%6"U#N1Q4#EPC2]'DT"2%F:Q
M^D3DFQ)=/BK%P5+IRL'E,2-0%9P(]N1J_38'^Q5V&35X@#7$V,F*+#4F"I M@FMPP9,/'/3497H@A1AZ7EFPS,$U"!#+"DZ#)@/UP&_>VJ^S>"APIWU?(/I+
M[RZ36MC#M'LQCIT@+0G%V(3@-2+Q9A*P!S5#;["U6J6SE[P66$)BDSVVCN#@ MXZDPU$\\^@$5&45T M8*<^]"<<4. C-LCCC=IYH-\"7)[DXPDWQ0E\%!8ZK.T'DM6!R[AN?S@ M#+'GF^?
YZ\U*;KB%X=)"UV5%(C,X'SPGU%;_32V?7+4V7'KINHR9H'(LA967 M17N?/__11VNVW8ENJ"B3A+A/3L12).P?'17NW6EM[ZAAS@HGC
M>\.PYZQ].IH+_958OQIUX7)XUZ5*'Q%P\J8H=OP0>0.'A"Q0G5KPR2H)6#QD M'RU8DD Q>3IUX;* UR5/'Q%P\JJRF:Q5D"G#ZY(CEOB,MQZJE;K^D0IDAO+& M-YE2;!JE'SR,?
9(B^X1BWRVD9CV(:?]X;$QIY[N#K[S&N+>W.Z5 CTG:5T]U M<:2ZV1-7/M]H>-LP!?9RJ6Q;A(_8>+_N1->4OZJE:#Y9LA3@2&?82ER;!_MR-I6@ Z7;Y*H0Q#L(TE^!U4D59T;J"W:B1W20-&
MT;5T',Z<-(T7DFRJ6\F$-:#O]QESI)#=?$?Q4[:C"-&2&9&@>XHT\F^X6CL^ M81-UCYKP2UD6E417\LJ-9Q=I@@,^>+^=%%*?O)*;]3!/_MTY_(G)^B&N"7 O5AKR;FD(%@-4M9AW)QBG+*B))4
K\56)\K)11GO5?842).?8@Z>Z@6/PI^X=),N4Y /CLL>M[/FZN M48BD!XG""N#W->N0*Q00)BH/?S#0C42HT^#@]JZ[O!TDL"\<45@"_4GD<+27!P8GY0BVD)_:"[S-= M39P9IO*C$'ZJ]=.8M@5^_
*.R+E1GP[%BGC1L!OS&9FV^ZM%NUX0KZ'4^ M_1A$6QLW!'[9LUW>50A:&*#=>W+"]8J&H>3FW$'$]@]U(K;SKW3\L%\ASO]Q MUCCZ1R?["!PL=R$\OUZR!ZWJ4#>!\\[-65H\#2'RR1X"3@O
MRRD*?96D#A-"B<%W\8(<,BI>%-6@+Y[4X4@+"7"^RFEC5$2]RD-?**G#D%QV M<&I.E":G_8FMLJ%L/SO.&A$?>[0')(9-SZ?OMCC",0'/H(9OX3P);/4XK?W9 M4$6\DVU(4VTLCTJ0AZ;XU$8I:
J9D;#MJ#OW9G-G+6 MLI7C;"9IB&1Y8]#W^8YE60G)J@5F2 MK"\3@I]]RO?UYH'2,_QW=R>[;NP_9QECU?<+:[1E3]I-(9%5X[0F8N-K9KM1 MN*W=>*D/^#FX%;K>?
R79I_&P%JH"ML7OBE2R'^61S/KU$9YF/?SHF)5-MC-%9S_1507E)N%/,3'1"T@BT)[9YU5-B=F$:PO(SA?1#TF=7%=5L2!+7L!IP M8+DPXM/D,-MGH46/D8OQY=2V(9%*ZZ]C8,_M)7C.VAG$E9(D5
*=E[CU:H.GPFM%%00@79@V\'9"6ZDE81?'GR#O-)K("_MW5FKB_[I2Q-GQQ;DX&OUU/AHE8!/""00-DO_VDQ0@;0M\+1_S2F(!F;@?B>Z M$[8<@? M?
FUDPR!M"SQ'87,*HH$9^(9ABM;YPC=>W.%P.4>$SG./$E+%-<#S&![!0_GB MMQR5LY[R*3PN0EZ:>]CP_HU&5? ,B(TI@39.X(-87^0FYFH+\B"V.D=?P"+. M)&7_8S;+LQ.@]$R=PN.
[=/)AOZ#VS.$/"B6S:V=5[UG^1O3@Q4W3XDTI!8/% M-LDV *?N!WBBQAJ*"X)3A9L_=H_%X.GLTXG\]93;X.;H!YN\Q*?&J$<X%!J[BG*S700JT$VR!'H8+ M3%89U^J+F[H-Z*I4^_?
^]57*$!UPNZ/P/@U+83=2Q"]6RNIRU-ZM?T/ !2^] M5,2W@)GL.2 -6DH%=3EIST%[)"==R70P&XSFW?EP/(*Y<9\'7;$$)3CP7;V[KI(Z,"-D M>Y>HCR*7^.O\]AB'H@GE^9KVX:M8NCIM =^V5Y-
8&ECU\;)D[,V2UGO;$#.AK>CX;_PPF@]' MMYW)^&[8&PYFKV/TB-VBC"F-<:E;_]S&HADNEHR_'@Y=Q.+O6(-T3TP-%S^> M^M%7_I#[J3SD>N-1CRY\TW3E8P.O-
QWTA_/.=#C[%6:0LQ&)ITEA%O,_M]^_* VPZ^#P8/0SHG[TQ7=+@-IBY!-NW42O7OMC03);6#H?>^//2&(SKTYN,IV'YQV^7-OELZE]4EE:#\'I4N
M:0PG>2W@(:1!3<4'H@;!DJ'"@FNNXG)TS<%@^5->+'?CT>W5?#"]_0'UW.8 M\<*Z:S)41.5A1DDQI$EC>-B* X\+.06E(2&5V)*Q4'Y7ES*CH4#SJ;.L@20/QKA[+ M:>-&+^RO@B'SJ>*]FX]
[OUY==V>#?J%&6; MHH#%C/9P%&?)_%/IM_=5-:>(JL%RHFGV^OK8J\UANS1#4.O>XVH23F)7C-H M6S))% YF^3/"#U4#C,X#@\Z\^QNZKU&-)&P M!M-95ZD_1L-
&JS)T7G<%1>6S+7T\+!E!]RC"[$S\$='@]Z,P>KF?#_K-[_1UN]UD-/,PB$O<1BIK;3:.&P/:7A=X4XS$Y MO3<:E,>W;.$.LX8J5++4O0!LR2C7"Q^1AI&\R*,I//=MFF@=U8N(Z)$<:*4 M=G-S_%
(:T&^M&'.FOZLUO-V$M=#O$F!'L) M54:'$#H!YZ)*-LCR:M"/I9A'?NG-#X,1^A,03*"0_I7-WL^+.NI]O T;PG\ M11132NN"9I. 4[H$I4'R?HJ/-=U@+01N?2HX\H_,YR25@BBC00
M,^]NBKF>=:-3_:SCCHP@.G:V=9^?4Y+>_?CQ74I4[_/G/V;N$_*2(/7&1VGV ML2CV5\P5OSVH&X:#%Q=%T7AQ[0;2\E\&RO6KO.Y?G)=2=6_1,_CT_,]),P;%D=%5B(B1#K!+2 M60W+-1YIYQ^?
LU>C<88(G%=MS)&ZZ6C$9YY(JL;%8B M2%7Q\A-CJ3402##J5^L_;Q".(?+LNXC_(&@W2+N1[]M3H_1/*DR:_2*5T&Q>-M:/J3%ASM-!X\U#I#X-ZMO825(*CN-X=XQ?2-GYT@R>2,HF25_F7-
K2O_&2Z5-]T^_6'_33J)O$3)FS"?:#[_M+U*0C^6YCZXWV^RF$T(G\"E+'MB$?C7P;6C'/HS^-4::+;OX4GB7;-]>N>I2 M"3H$WJA?0/3A7O]*/2ND7+K>Y+\TFPG,&CRS*,7C<+-D,'*R]_11[/A!-&('
MRW2YX]^H^5"Y4<-3]7Y+F^MLVON-7CIR-R@W;"<2K(;]RBZ&]I/MMF5/!&I M6?W<0I6,4+%DX.D%$^J QV<<,790%]HETU3(&0<02R978:(QO?FT
M6/7XO*]\9:16W;B5=I(N]8+M%N=GAG#3=TR*)AC%:R MA4U2QPZ.Y!JG(J<@3O%Y,JNLA!=?D>]?5.<<"9*(4UA?H:Z@E!X)*63_]-[MM*I$1#*/'J6J)1PK-;=R2^48H??[9!A%>)C-
V6L]"=FP6,,9;:Q2Z3]36_ZJ8@)4U+1FB1ZV3%:$*9X:V,+;M M8!^OZ%;-A+%R34L9$^BDDKNR>-#39V[(1E/D(CJ)4#5439SB&II39FNO:^FJ M88DD%03@$^*,SNU1'J\_0K&*($%Q;9>)9?
1(I6^'FXC$!5[HO_;_\ M%R;BQ(BFX 6Y)6S=#KC+D "$0H[G]-A/G)6:+PXZ(YP;;'E)<6!&1" 6D%> M(L&1:P;WJM0X1-O/".<76HY3#&S6EX-T""B_Z\W,(5P\Y]_PCF$9H+QRFH@V M_XR?
(:)B&=N!E/X.Z8'*+:D):-_/>7(T^V6/DLKX9V[?%2I925%4]Y;%*02AH@W8[MPBN=5)E-RHK6F;=5!2P3I8<%-.SW5PC)4A-Y-1R2=7H.ZY+7 &NM17K4HNU, M^'H(_9"%9WC=%?. R4FJ%
(:^RE*+&8'(X'2PZWS?""K0#:8[V.0Q7B1!U3&9 MW->7.&?-FH$^Y#*FL!9,X.16Q)P@PG[@+-%[@[WC02U-ZCY90YT.");$ONWO M)0AR&.7A:KMN'X2^5?(3SWK_&O0?
[@8LZJT_G'5O;Z>#VUTRPX!K+TN7#9%R@OY59AMM[NYLBYK3T4P]TNYLBJ]";^RNZZ1TO MYL0)HP4BX\4MQMZ8Y%D-Y*XMKJEQ?FM7M(-%-6M7S&SXC07BL#/215H(UR(]4L$Z9"
MQ<*/2P&T^P'\;#T) P;CUH@TA-MUB28@(2#Y%=Z5"L;+E2-M%7V>*&T$APQ"1)8;V5$F"=7*R?L741PM'9<\11.2U4*@;EX-M#&$42-
<*DL/02UA@O!/(H*R6TL3R;]!8BN1K!PFVS>^JI&T6(_M>;.R^UG6_\QN"S*&IY=LP>U9'A9IU[63^!NM3C M7'T1J^>Q[HUG\TYWU.\,9O/A?7<^Z.^S*@]9LM;>8)8FG;D>WMVE/WWU1!O/
MI&G>.JIZ26I6A@_LY=)U@.)]L@:>24!K:E4\SV<@=*5K<8&&K#"S![K5:#-K# M41]SH!22/0GHPC1X0Y7@7NS%X=BW'L!,>\.<9E??>L!^Y3 M&?BDELM
QQK4YXPOK3DE/V64A&S'DY=MDI01RC("5?8.?'XDQ.%C"^I3I<3 MLH'4S[N02QSE:5#G6#%CZM2#CE>MSZ(^*BVM:=E7[GSGT0-\>+-7I^VOF'$A M7LVTJX/=]&E@'3/$"-
S>Y@K(NLCF#%55.$VN16:VM-MR>;?SX=-$4*6N$6J;V#JI9K3>PW3F@QS=GLWFI)OBIA#EN5'1"1-Y1RZ:/P8 M^)FS3RF=JOIY>D3,9#R'N?9PS/ZY'^^&LRZGG3/UP-24UJJ9N/K2X#Z/,G<.
M_EAY&[/H@3YX)Q/6MWPI#V7NNC1UOMU3VX@=&&K"#07%S^X)3*G8X#/EKG=? M,/DZ#"<$,X-(@Y52>>B9[PA>N)+;0\P-76\C.K>QN#,=8DKEH=W.1Q##E=P> M8JB-
J4%'6@K:CWP$"04I&-5# C^:K66F?:R\[W02@^$:TAP6%Q M.T)3CQAQA^+-WV;.=>Q.?7^)5]8R0GC*):+BSJ;+29.$&MKN0\S,.3J#[3HI MOY4DKW5^W,CE ;^.)>3N(=G;IV$*.CBIJ\-9B'AWLP-
OD\'X?HQE_$F]DF M8F-9%C8J+@UMX.@K5N'$2R7\)6^F6]]+5Y9#LRTTY$;X#H?+JQB151\]QGI; MX0_EK?#=>'1[-1],[SO]P?7]:+'D;W]C?9+K@/!%S^9@@-^U-R"+QGZ-V:_8 MH3SM#
<'*>4N3X,$,*&PK,EX4>JK(E\ O_A=3-@$*X(9,55*'+YSR[073ANQ0 M*DRES-\F8K8AJ%SAYVPNR0H^RB^24+OWJ$RAHC:92[= T9I?(K,^C%L MHD MJJFB!?NH%F;@1A/W0Q#NJ=)6+=O'!>I/?
MK<-M*:LI(FJ7GK@&S!108G>4L.WD>%'A-U4*L5B&S0!O[52TE<9T+8QJ1Z30CSSB M"!US-ZZ!LP^7I%.?$Q3'>S>.B?^8Q,QG,,?ISZC,=%++UK7BC"H[,3F^;>B] MH]$"-0)_*>X1=
M5I7)8)HM_?8B,M$9T?YN-H]V4<[VI3DC?'.*-U^D^N*"ZF6I+ MSO*:_]1Y[1]:PQI\-3A6LL$+-8?\B"V ;6L1YU-GMHMH#6SK+-!9C-VO%4D' M+^ROTL)=W71ZQ(JWTUU,+*1S@
2R"WJF"\!75[&!90WOUN&HS\I[ISRY# MKBSLA%L0VF[04I]2DD2!M._6Y#:A-#MOHAT,<&H4Y%M]5?R65F7HO&U&;)D(MU@R#W/$Q0VF:/Q4-M"B_I";F/UF!N5 *2X;
(+0H1<0*J"UUOQ>Z=QYGO4W.0 M:%,7G=1:O AN/DZ,H $G,M_1Y-Y_D7]#$JZJG1.:.]J.^<1YNE8?S LX5MEO MGTM'2]TH2E.9BT_J&_M1YANKQ%QT9[.'^PESCX%G&7KUBU5\[A-
"1Y,"69Z7 M@7^6H@774P4#\,F]MG?^QO%)^I9]81SGKGHMFEOZ)K21TY[>M$K2I>GA&KD4 M[;[_['MTP9KRT].W@R[OT]!!(.>@E6+*+E,Y/V.*?98(\O3J6?XX=(CS^2@H
MG[;+4M&I'WV](0@5X\!/I*#\3T,_16&_>LHHLT,Y']62/IH,Q#DBJ_<*K6SI MF]"^V?;4L562[-S8R<.,4E'DGHB_J:-TQKGKH?NE.^V_>B#L\T T$\\XQ4%P M@PG]Y4D"2 ^^=
[&>D=:XL6,!O/2PY=9*BTKQ^FCGLU\^>OT=&$6.R0&O5UU M+#*WM"![!S0[+;DE6)85O96/0,MASDJ1)72=_7Q*D5L@/Z9KV$[ ]E21^S%H MA\M9J:*$+LCW-\'5&');\,
<'>+?,62DQ%\%&M@:#\&+4N!0C<'!6Q2A:G-#H MTN[+Y,J#0$@]^J%VINC@2@S_\BR@DH%H^U_'%HR,K(N6ADF3G8!^UO=\ADKS MU-N_(JADYE@P0#IOW!/H%Y
O1_%K*H'JVG\A^R$#D[:U*R#GH^W-8=Z2$0Q[MMER0OQMZA206.3Y3AF,T7AR@(3]__KOL_+F87I!E)1S\-ICVAK/N-?MU?BH] M[8YN62;"F^UO!YW)=-B#?
Y#W]:":GT*"/PC3GT;=)'[JA%T_>:!*2@JQ#)/ M">E:=#C@F;HYY)HY[MVW/1M.:E$.]#!9Y RAIY:L7M1\\J98*"+PL+=V^"%$XW\A/-$ZD ML+(.V!G@?
PZZJZ;5#C6N7%"M*6]5SM(IY12QW1/]=0^']><_<0)VF_6#0LUM MZ.!%F8E:P\ &U/^2P^2@RC5:^F&8/BE&FW.1\?5\J%[:>9'A(@<,GH+8,6J: M"7<9THG!#R/?39,BG"2]J?
S)B_([U=L'-4B=IBQ#=S(6=4,C3WV:W9H#E?K&[NU*I/_MR+#6)MY?H[MGEF$VW:AJO+C&*VYGJ$,S(Z'Z-)L8,'";>?/VTMY-4U$JJ6*G M$[$56I7-M4-M1.("K?1?>TKI/_Z8,S-PO!B&'GO-
(7$"P:I,RPJ*VC&_MK8R MBP4O1*@ \O7%CY]20X7Y+)[\]1P/0FK;:X2++4\@52/'(LY4'.E$JV5Y5%! M8M\GR*5-"2=.6JA7)XXEFX6_
MR'N4S;E'FGJ"LL&'>BL^\KU8W3"DVCKX=*>V>V&'NX!"1[@HG(<^MRA[!K=F6-M]9M_8WZ/_,.2H7UL*,=KBO'69HT6J6GXE=LS-9A^Y)M'SWQM9H1^/RVC#NG/2+/
M5"8^?",LT@<_!K4F8#>>:3/(?L7*2#>:I^V%GR*K-*BLEU):0U?UI'5JFRXXLF^ZG-M=]+77->W]X/1'#PQ;B[)%*TQ8>:!.L)47_,>K34LV&XP&25TD_U/?NE?I2H M?
F.6G"4KF!1'>NI+:D%,I[BSE;E+K,O\VI;P65^ORU1K2=U2C*7B4+E'=^,U8GZ6<+G=-M?*@"V(05((,R5"I5FKH40H,;.,,P1B3*^C8(_)4?.CJQA8IJ8!YL;6+-MV1+HB=M.4*?YMEQY5^*PF"4LZ6@@?
TO=9A+NWN?^8.N#D-4%\LJ!AQ[QU*$0 M1226K9UHL'Y/AF#AU^#1-0K@*I*T@A>EYYZ.">([@30>E5<./.!#K7H"V<"7 MPFX4H5AVN3#_/73B-A..!3](S"!-U0;?9]E@0Q.S4:LR2B;H.ET>
!T[\SJP"%ZAZ%FUJ>9)/36T=EVDD-M#H(LY1JBY$A-_%K]J"7K81U%.0$99QUFT4>TSZZ?41EZW15#^_TGV)EDU8" M#UVLKRP:8(#/+KEXZ044+WTGN>MYZ5'S'_-A<'GG/R-/M0LS:@0\7K
^H37 MLOV[-#^\YW!VV^'N(??8C?1PNJF-XU"NE?XC2+VIZ/ M2/OX7JL92_Q/=0-NM62$/[*O=G/?R\HDQ%LPM:I;PF4=/:ZLI%H"P^=$RC._MT1DPWLP)%9-J;;HKW!1_(_?CF[1Q.12;2
V>3JG8)96#GU?6#MK,E57"69M^ M_[E#L:&%T"QYC'S/IX:4S-0.6Q'+)$JA-3GGHE?X8JN08-.P@!G%' ME>Q[K=SFGSY4'%&9\ZDS'4S&T_EP=&M/,O-+\C^]7B*IY8MZO43R>HGD]1*)
M^#7R]7B)YO41BYWV%EBVZ"[JO\!H4_QH4_QH4#Q,4@;;?>Y!\>WE%3IU4/S1-M(W_WV'WY^Z])X%I!4.=]X;R4.X$R]AH"#AX"?JU^/'0]$Z?'_NA2S[?WL>S;_MNQ_QK/>=+'@]Z,P>KF?#_K
[_=T>_Q[K:Q;]B[Q]\&\W]#+GNA/<$IRL-5\G-M-&H(>/NM8+FA"\)C[=[Y!-=DA/UZL[WV4/A?00-M86]);$ML"AO4[G))T)**.$F(^^2(T_$R*[&%[T!;9L(5L6@=MX8ON/%V*>$3
M:AXA8B4:>-0*!.$WZ?7!K0:1\6)O. GO6K'7H70K@_OU=$:A(11G?2-R;'PI-M[5VZU1W0$!Z4]_,5$%&=!+3N'A?*@9^.5:75*YX=BR6S647:>_*JM%B:-^^-M=[[SZ-?
I/EL,\D$A\'.57:0YHAE=]U<;4\C.1+^/M+\U^2K08I-M(026.RED(P')["^)Q-S<3K;0?G>[JQ(?;;NSNA-ROORJ[.\DDX4AGV-T-08+0-MW7ZI*KL>/U5VI-U;-U\WG8\?VK_U+KKXR>BGW;-NW-0Z[8;_Q*>-
_"[\K;[-M!_O6_^.F]\M!I%7:8LWC)&5]$8-E7V#"ONJ8JYJ_46/?P(CH-"MBU;NR]L1C-M(:>MY[IT9:WX+W@)#SH_J8%-SML-:A!-4H4K,&@5$?!4:&4_?M-1-MNS-"!2+ADO4>(=Z]K'#[T8JV<@
MV0V_%QI;"-Q7@^.!=?[N[-MN"]N3[1!K%7L,[;.O=;_3S"%0#<"-MQR+%^>8;76E-00#6BY"B?)(LJ43"\0)LAB+*:P>D[F[-MJ!-,FXQ$,&(VHS_SSB9@(.^13!,+*X&'0@UQEJ8C-)U-
D'62J"1$@GKH$-V(-MWE5V=-;3Q=$XW^/A'@]HH>G[QL/@45"(8@0'LUQH(9@&#*-C\W"?X-!5;9Z%_NJPG"A45U">4GED-M)6$8$;H%P/4P15IO+%6TA1BY"M&AL_8R"F,!BL%;*V")?
RB)M,^1O9,ASSNU9G!WI"_-MC85U%!)+@7*=4M)]3CX7V:X!R1W^^N;X&Z5A%1!^\.49=9FGV2IJT@ZW-5MXE:-M?U=T(?WI6/ZCMU4Y89+,)(BOUN4P@D";T*GFLJ9#4&"X1)C%)Y-0
MV%.13*4>2MU9!>3.>S#=@^ENP#2H)ICVQEQF1)[*-P=$$1V?x&:-KVC5)OUF:-M8(-(W5-F>-MI7T;-J-\-&U\NW4&_(^X'6Z49(]G>SS;"9Z%U<2SKG?H'T01VL?.TW+NR5I<-MVSCE5Q9:,83609
9PHJ%J'*_"+&V*>=ZG4Y+8L<5Y6YRH89_65RDG2X1PBNQK-MJ>G<)-'BEMOV'*DMJ;0#Y]532/M9H7!%8/ZLFKA%VU7N=&)8+!^U.2TC2KD-MM.7DF_Y@LJ-EXQ:
<3YHC1X\"T6J34D(+6)X5QO[CV.1I@"KO-WF';&!YL91-MV%"@YM0C^X38C636$K/&3\KN;I5S@(=,H&'07IJD]WON_@3"&NH(P^QHH49F/,I8>RSL"5:Y\W!V"_:_<0"KZ&[0A9J6C&D-4J_:(@0X
M/HB-Y(IY\A5\\&K4&,MQT-1K.+#_!R[RI26DQ(G44\"GDY'VO)OXF))IJKE-MBV09CO;TJ:!/BW1IF4YMZX6>:-T0UL'4-RTE3RQ*6?QWX-Y,?TGLH;FQXH4;-MOV2:2WU&0N\D#T="BVOQ44VQ%Y9\
[3&3HY/?OYN<:N,GBNS;K[BO*9Q?P7N-M^*C^B9',L>.CTO)0_N6?/H#-MW1YB*,.YU6.F)L6Y?>QJVX75;>O6ZW;CN-M["=!]=WYSF"H%LXR712.7(T$1/_GBR"J/=HSFO3V21+J^+=ZG7T6(,,6NT-
J-M>XZM/F08PU-K9^?L-G'9N!8Z-:[9]7HQL-WKWPM9GU/Y'W3O.;2C3%.9?->3-MS&N)H:V,_((SKW'1[\=&0N1JS";Q0M.KL68Q<=H--$YAIP7S-LB^WH3O86ZU-M&_3%3/Z;FN@+G?X'4$L#!!0-(!.
#5E0G$H-G@@-)E*.*-97@S-M,2TR+FAT;>U<;4C.1+^C1L1_\"'=^J2$\++L22$;"4AF%XD;-"8-:3\ZW=6)-M#[<=[.Z$W*^-*KL[:?(BTAD6R)(D,3MMJO*KL=/E=UI_GY]TUS=Z?Q9_NB
MA>^,7HW.=>>FW6S4_#M>K667&Y>WK;_8M\Y?-^W?]R*MDCH[/AHDK"-BL.PK-MC-B]CKFJ^((*^P9&1'MX(JYZ5-^I<:F^VW=U)-%8*2&-V>G3"4.>D#^P;-UVN-MP%9OGR2,V460T)63HZ.3-
U3[U;WWU=WO;<5?-BG7E=V=>Q'TN0G9%4^XY$I7-M<,[09![C:/*D_G,IO'@0.Q>7-VUVU;ZYN;MHM:Z__O'[WM&>^_[M[N(J_YX)-M-1)ATJ=.CO[I.UD#=.#G&-M\H$V"'+.*?<'6L=?]?
PAYK[ZW6/LQ%8,8EP)VI0W620A[4/%NFSEK-MJ%$JI1,68']<*,;5F*4J,2DPF_$G-.B%W-<,=#-B41&G"B5*2>'CD6"\\TW-M.M>;@@"LY69,56+^([)302P6!:BY"B?)(OD5"\0)DACK*;P]I)V42$8-NHC
M^6-VI7_3SD9@(.N13!,+*X&'0O5PEB9]-)T=(.TD44F(->JA0S0@>E?9T>P.-MBZ-QOL7#+1Z^"QZ>?FX\!!9-0N0I#E00#$.F\(I7!"I*A0C51B!1V5Q&2$+I\P
M<)H&W/99)/7(YOAJH"=L8C#89IP*O450_TH!^6PNN;.#4ZV<&-X.AUOPVX+?-MNX#?KYL)?IT^E/6SW)M_?8QU>4GE@)5D8\D;-MWGJ4(J57%BI:0XQ,@^C-&7L6A+$"A>#U.:S$?Y1#VJ;(/DF*
[%\;B+-\,W&V-M!1;[*\LS74SY,L)5,)!&XI4BCUWUEI),4L[N(%QY',*P5Z<&>T/Z-A36,4BL-M!!&D&F$-MC_L=5U?4;6HI8G:+EG6Q>'G>K2V@]@DR9^IAP,DW4\F)@*-UCT&3F!]1W6<(
MBBD3-)0%JHBT%^^'%=(D8PI<%]$66D%<;CF(,OC-M^;.JA>RG(_E/WE;EA!FD9H#X:ET*(PBT"9UJ+FG:-P6&2X19O-(#-GNJDJK-M0ZD[JX#<>0NF6S!]'S_-A-,VT,N4R)/Y8$#HHB.SPS1->V"G-
\D2[!"H.Z_M9FG-@V"6#\$G30-G?:,$>S\RV#>M2-M&IKVO=TZ-WY-W-8W2K+%LRV>O0N>A9N)9RWOT#^((K2-G:7EW)6%N+9RRJ\L-MM&((K8,@-805A:AR@0BQM@F6TRE)[-
CBO,T/U+4]Q;>4DR5":$7V--T9I(-M</RI26$:4L-&TY.:9T-MCJ!RY26CDAV6J-'3T.1:%,20O,8WMV__<>Q2!*->YNLXY85].Y-KP>"M2<-M>F3[B-U(9BTQ:WRG[.Y:.0=X3
4:QBU;J7)C\.W!W[4M]0&>FMD"ZJ]L>5.-M=4.WIRYD2?I#>4KWJ!#Z+FUC!P(0N[(8?K+S,P+^0'&VS^:Y2-ME.(G\30EFVR^WT7?P!A-77D(=YH8<(\>SF[#_I\/+#CPS-
LWYW%R>.1CVO,QG6S9FM>L=D'-MB!NUZ^:';/-'-V)F."_WU'I;R[V\Z?H$04I;D5[R[R(-=F,*-M9KSJ"\B>69G[C8JM!5>QX/[D5SZ6F/&@A!DG9//GIYJHXS^J5307R+#.[C!"-M.,=6'U-0
;7VVSF';BD9IW=<"0_U6INO-;UJUSE6EU3^C6FFLI85)73YQ&C4T3FZG@GEK9%]OPL\PMQHU^FDI-M_UM3J)-4_P=02P,$%-@-$X_62O!S0[H-P-;14-H-!E>#,R+3$N-M:'1M[5AM;^)&$\Z.Q'^8^8(CF5)8)
(QYN5Q[X$,BX/2H:*#!/>D^+O8:MEEVG?4Z-M0'][9VWLD(0F39NF04JDE\9C=L7==M9KW?8Q=#%'V2"%%:-?&E+C7$\CCLM*CNZ/D(-WR,J7B^PZCOVJ3J=GOC3JJLWWRGM$L%Z;#N+CZ$OFS$]LJ7^OGX7KS,JX7K%?6.1
/,CHY%]RD6*^_;V+7IFM7PX[>CKKNNL%FS%=+K6:M89CGW5?-M!\J+"_FZ2OA4:*I>,OH^54@(\XEF4I1+,H2)8L)G$>'@KJF?:'9#81RB"56'-M"G*2J#C!FBJ7M(3&C_!;,5KKU]#<-ZBAT3JM5X'$0
(9:11-M+4'+0\5\A9;-MN?2I-A%05;V@,"5J1@2-K?&:TPWT?&UFFO5Z\[WX_I_FA]P5RR5VB94(YC,@5-MDV@\431F$8%!%(^%H^+-4C7+]KP-PKQ,6+8UQ7ZI(JK2.J["@BLXVF%>SF-MNC?
5W8S^JP(HE_970&'UMS*IBO,D7;;J?3Y!,*$X\Z^7$-;\'()9R(,*LY8#)D@>$#C^8Q.-Y:Z-UNB5<(S"!(I3/>-M'R6L=K!UL[_LO=[9R(6^.QI-)[W^\.*GSY5Z)7V>]-:#_/G9$%(+I:;PZO
M,^S:L9VAN7=P._:PNPL9_UR^G9QXW8+]TVZO=+^7NGMY-M/VR"[C5+#Z_/VQ+<4UAW9>-T3%<4B;OC^I;1/#/RK'!L)"?G:8=>V_";47CP-MB>/8YG5I]O[4O&;]$U!+-P04-"-3@-U9HP%J._#
"X%%e-"@-&5X-M,S(M(BYH=&WM6&UOVD@0_H[G#?$7IEF#^SD\Y-D[#'7:BNJ-+B1-@#G&QU$N:MmjA^M-&L))^J_H-K&GK!@B*I(!0F-IE9%X"TK-TL\)'7/$&-P)=DI&X4=%BJ8PCD(IqVWyR0TuwLZgAi2h9ShBUyQKoY7ttw==&VC%X!mtvUZtmEF7&6XAABKJlRuRE-J^-V-Y43/%3C!ICP0Cx!0uDd-LpBR$pv0Pu*-E=J-6pzQlcl2vB9ca$5hjoRY=RWRC_.0BuTlbeP7{(-z~lXJhr|H(x12tGe+LEmP*I((\RDI)Rh0g(v&vM-lV:j3VhnE:1G8&n"!mJz(IUi?gC@xU8=wBUI8t2mQ!1QG@;(K#n.E%jT[-PaHRPq#D^wH=E_o-B[LN@0Fm(BEh}Bl@/0rWu(:Mzd$K%@&lf3YEN%#3a-c8-Y0(OkI!:&%U4vz%QM+]0$ix-ED{GXBlaOK%Z4i;L)h^A?-%n.IKPNZ-
9OW'QOV(!]>I;&WB'JGL-M_3"E./.OHQBSE"7&Z87V7Z*8C!%3;3$Q-\F!8[)"2"J^EFY=!R<;,A3/U5,-MFR"#)$QC/[O-M=*_3'0V@-QB-II-;WCQ]DVE5LG.)YU^OSA_,4;%NB%,:W]W8*95-%5MB\Y
M)W&"@(JC2C:+NM[EPS?X;+K4)[Q(F)9Q93W9NE[-EP&?&;Q/+$0?BS1HYE@[-MZ1PWP+Y9]^I&'J]-E\TZCS.IM8R:T.7$_P3UZAFR2R1G0;[7WO%UAVTG<7(V-MM_^K76?8WN6,'Y?
[4Q2_MR/ODWQOL*Z%RP%NU7M6;N^5&RSQVJO99YI#O,))-M"&J1:,("@8C;2YO"^?5?Y+.#^8CW>/!;XAHHG]\OH9!.:^^-G-M323PEVTC;_*@T@0$(#-M)9!PG=5].@%1VK7GJ79]-G\O4XEZ
JHF*O*__T=-*/P?!61>$41Y_.__U7N-M=OO__M_YR>>)#A^#C\K:OZ<379^=??SX_/S\X9GJH*CCCW2M5OOX@IXYM1XZ-M>_%\CBD4Z(^_KZ]Z_
1,N;PH:SHG\V#Q(TF4'-S71]\N!AVJDKCR*/K$>0G[-M<6-I^*VP_(%'[X?)'Z\N51W7/1TO6H[KS$@I18:N.(/#>F+Q@Q>_9VD$.]PA-M^'UQ>[5\7/=^?OGH1UWE9&VDJ%-.AR1$*Y7R!2;/E%V+Y#7
KRP$_YAK#P%-MKE/-L[2SS@9Q5G>*OAYRV@&+C-EA#M_.^-7\!5-T'E3!R'29\D?XK?.@H>7'-M'#=;#SBM*"YH/W%RJKP,U61@.;YM/G-RN."KN;U^0QHWJ#-KS^BK]%OF'R!-M=:&%5PQ95^?
>>[6_7'F5INJ;0,$/5QYJ_/RY>(A_$L"C(C_"7WVTEOS\GWRR>NA2!)Q1/.!_HFZX*3BC7H273U2[-M:?YA4*@4!K^;OP>(;>C"/TSS\0/\F,KG0_Z<:0[N>O!G7^KU+OP/VE?X'[/%-M<328!T[-P<[X5H67:
[P>OWCWW\CO*'J>D-3X8WI-MXA5=H(J*<-D-TP8-F-A+EEQ+MF3(>_,&%3HEI+8L@)?O8#XHP/]5RN5*+<*R-M-Y0O(<!/;-UJ+4^"C"$LR@^%4H-V8@6DOK#4T3#-MNS;H&BH8%-V+S.-GD1#5-V-$QT'E-CTO@W,1E/4SBB[,=*HO-M3B&(^"9NE6FG)RS/LC!-ZCB"*D407QR?B:(VDSBYF>4K,@-?2>^G"'U-%2H-M<\R_B((-9*2-T
_@4S>0I521MY3+BWZ+E/NEJDR17.4+-/Q'5ZP_E__0@U&B-M-+_G>!WQ2-&J/QEN$,X7B&S],,U/P)-M-5%V-^$KFZ?G/YB$-*BX-?"4Y-/SI2C[-W&IPA6A#V&O9EOGLR^<*%\IFM:1
M>YP$.J,+0X.^AZ:=^D"+-%Z'%7(\(R)1*=-5]I0R9-'Z%11#:#FU,UF4H#E3-M#8-L&6Z-O-'G!JFT*TAU30-Z>SKC1!51OP'5R1C$QE!UO^-$XJ=:V!6@2T4%-MXEBV1)2?]Y'/:CWH$/,"0&

<$]+F7>$AC"CLC#0.,09ADZ)TQV89!WA3!T'J9 M-5D#%T &(U&/B35F9ZQ%A"<00^S.&+J!K&\"A4@6#B\#^[>#AC*=*G)/5_B' M:S = G4#OLI!X:L+@HB6A*:%$X6VW.!FHLY)?
K#2N\)J8J*M:080FH8JRF/+ MHOWD) .8CM4%C!P%B#5$>S, Q8_PG95SXINXA?$:M$!"BU-EN+SFMY-*\JS#_M+H!D(V.Z5CXD?-%8N[8S+C%QQ0X(9PMID4__381C;;:PLU.W=2?HN\X,_4IK
MO0"5%^&F\%-C9_9/>@]AB;&S40]EHNB8&IUEIJ'_>&+I&?8W1TD?-8G-L)9 M)O6;",G;'$O)HJ.JT/*>_._>&+QMKE%%F?^ A/BW?HOXF0K%U.UJ.)8GYB
M4V/WX"CI/80D1F5GC8D[257-J:\14%4@=)Z BNH,EIP,>/,E@SI0%6W& M\CJ]T(>0CDJ!22_\&T9E$WHV"O3!-1V/[DUG4G* M'+AMH;<,5LKLZ,IM11--U[T9U[XOYLM''*P\IF)JOFP98U/S[MTX4_D
M0I*W-[7Y_HOU]]O*MV/HJ#D(Z;8VU'NBK(F\Z1BLDJNN=48NS-DJR]'<70@J MN$5O[,@^ZJM*[^X9QT7UJIU!K+JZ51K[7G=W.]-%UOZSXK-59F>')6UD]=\K MNWMY>KC,C
M/&TK8,M@7ITIT*B#&^@?6=U'WF#5=H_S B*6UDO(B&5;&3'L;G:W=TTP4P$O M6GPD"_6IHNKB:YRZ86<&D%LECVV0M=4HJ_&S>0VWI(JPNY<#; 2A;@E!U T5.%G;OG*ER.,K\0D(
M7G*\!VXJ[FY9$MM=-.XJ[EPG2&XG%;EM]SS6%H.PF=T-"U9I9Z6#RR!L*->& MW4UY9U:)JHC\H8[&Y-6=E$1>T&?R./CN[I[%+:C:/KO(D"%]IH-GTW5#JXY8VJ MA%VH'5R;XA*9VN[Q1&
(I"2]"NS=J8?3(?;L2PNV&+NS>KA+#$_2!>E=9H0N[M-[?@VTT4V8"0IX@.X;D'0U)O=T\O,6[:O=\EN=U%XRX,"VW:/MS&Z MOKYM&F%WLWN\%\.!]($Z&C?
MWBR##_+P^"X?/'O@OXO===7N![N2VUTT[JH< M7.OBX+90!R<^NL^"HCVI8-30^2>@F=^CZ0!GFCGV-:Y#F;,LHS MJJGK#R^:<&I_B\[;_WNJB=.9Y'[+RL+6FS3%4.T7P8?,D[1G-
C*L$X[^C0/V MT7GG5\ \]>A\N/A8%--7(Q&HE+D'X#E,H='OGI /ENP?T+YV/WVYW/;%3ZHG=9&:CF M:38[*+5FA.CG2]@7Z]O?8$5.MOAM%3ENSL&/'-8Z5YU)Y+#.F7#LR/%M-0;#(VP(?
8VP_H'#_AM^[_K3"!SQ&4XZ>^]\:/ MG.S9L9W[1 Y+K&!JK'''[;V(3*Y@^*[AW)B!6, U6<%]DSZ05W--RS!P4L8*I ML())Y0-]B$VL8!JMX)Z9@%C!=%C!A,G.$$6?&D7/[)O81-&G3]'OG0F(HD^#
MHM\7V3,9[B2'G!A38(]?,_YJ#]-?X8\[__GX&2/GF/08JK1V2\6::'[\C)_.0Y4Q)B*&*AV&*I5L$V4H^/%S3'H,5;K.>>PX M$O_X&2>=ABIC3$0,53H,52K9)LI0^>/GF/08JG0=D=CQ@HOC9YQT&JJ,,1$Q
M5.DP5.EB&]\QJ<0\'?"(1K+GETDYA=0!1]6A0]NV]B M$T6?/D6_=R8@BCX-BGY9,]D2U[BR%EW?NYZ?15PFJ'-+T1)Z@'>4*&B $<@ M&^BNP;HLH/\@Z7CBI$W!V+[[X_6$5EN5"0^DC@?
V.:S*KS;(\XH!L70+>-Q M-I36KH+LR,"976I_L?"H[8\;BLP#-.D4>1RWHG8$_O7&EB[F%T#F)U-.?5CS MM'S0%\A(8<#15/WLFKM75-?5-B\W?OX\VZ-+EC=N04!_/@-KX<5V!B 5,CP2
MV']6%O0G(I@B$=PD#)'!5,N@NV:T=H:/6,%,BB"Q@KX2&*_\MN*'IDD"B15, MJ0@2*_AV9!#=6DND,)52Z$$:(H>IED/_PXL]3@*:?9',#="C"9JOR_HV)--3 M=]F3A/T[Q@E&@ND[->J?
C2&R1V3OF&0OE5D8G[.01/:([!V-[*7R0&G"LK>9 M"R#"]X:$+T8JB$@?1NGSR $0^7M+\ACHZWYDC\1^;UKXTA7[I4_Z^U$K,MI?!TGH#:A_A> ME:R6#-3Q//LR!7-F-^%
(WB\S%=;VKB++>E@DKK[.R!VH(/Z>*GX^$40E#[-U,UX&J:#..!]GE MFLQ9ZC6<$U[&::P)0Q_(7A.NCF.RCX!="5L11_9LJPD+A;";;Y&/XIC'-\5,_MW>I.V9#N9BTG.3LBB"\'-X?CX21B4,L7_TU-
^SBX_DYZ;-%IPPMD1.?N86):PQGZ->!9YY$AZ;K++0J3G)G4] M-ZED)O_)^J3G)FWQ1"I*TJF<41^*BTG/3S?01U'PS
M9ZG34H;.+B^3GIOTV6O"U7%,]A&P*V&+0QCN8ZCW9LYRIZ8$G5UN)CTW*S;=-MA*]C&>]C8%C"&-)9-MY)$CZ;G)+@N1GIO4]=RDDIG\;W8C/3=IBR=249).Y0UIH;B8]-RD+(H@_!R>
MGX^$40E#[-U,'T'--W-6.BUEZ.SR,NFY29^])EP=QV0?-;L2MCB$X3Z&>F_F M+'=J2M#9Y6;2S-GO]]2?L\O/I..9*>F^RR$.FY25W/3>J9B6;R+'T8+CD07-/!5,N^UNL:0_C$G2Y*-MHBX"K2T_P:44=;
[TMOQVO4\E)\J0(>-2FRV"SC?XB XYL>8B^I7"R?6Q"@#:-M0U^Y-&3AFN,GH@P@DOA'0]0@XA0Y*YS0G\]-9U17H64;FYM=LD-D'!R(+VRR M)<-72TU;=@](DBB/WP;
[(#?;:\/$,0J5Y2&\0KR>L'D>PBO$-MI0F;Z&\0OR5T+F>+T &*B=!SZ\N3$59U'058<O\O WN<1X*A07BUH3+]Q"6 M2C]+9<3[(2R5'9;*B)-$6"H[+)4Q7^H6H).HO Z$GJ[P#_;1,TW5!TU1!;RN-MJ-
GGJOHSIPJH<6PC@[BY]4"^"?-B='2H+^H2Z(S:LB ^B8(!^=5\.?IJ%;/$ M10M=DB.<^C8Y-6.>'^'4-\NI&7,H":>^64Y-EY_J?=C)056&SSAM80:4!E[;-MX3ZY82_GF0)M96LZDY0Y
*80=F;'<4C%1^7X[I68*R\E0%CD0"QR6,W@C-U^ M-2HO:J-+C32X1:>],CU-Q"%P,*IX(+3@-!0IBA?92:XS$^UNJ%/%%5\!<*=-M+-#5Q0-
=B9.UB_DF3ER#O/WQ1=3+%A^#\%DF^2RE.JK_K!#>B<-["WP1'15] M1Q$^RP"?I55'351-+%PD[EEBC.BI:'J*\%HV>"VENNI2,8X@!;U']EDBC&BJ-M2)J*<%HF.&W/>LJG:Z8-GU7MW;0D-
+216Z;J%M,+?C9;CX9HGDO++F>A-D9#-MD35%$@5SDVTT?FTU:[D5'5AJ:@O^=EK#+@Q-E(&F]:RW;JXA"AMH)QTVX3IL M"%<3KCZ^;AS"U82K,^>U!G;N$*XF7)VY+A\\?
G6OV2#,O#=F7F";>-$8_0W"-MPV^.AU/I7>P2"1(>?EL\G,JX;T.1.3$H]>>*6'-@^C-%/,=%,AKB#1T@W+&CP9EA W?Y6.'&K M_W2L7+>;TW@DE&\HZDR!P@=N%-
F6B..FNN^&CX[B@7EHXH&GSOZDI:*2UFQT M/$XF'OP1>_!'S+.(++,.20"(=Z>5Z2Z7NDBT4KJ;&4Z MZ@5LTCF3B)Q(HHTCCC92S'7K2S MBB1N29W53$O,<
M$K<0;R]=1$0>34>7899GF1M@31)W0AYN=]E9,UCD?L MHUW,W=\L+94O$DC1+A0370--Z?&J. 1]P$]D15+&(M#:,I]=5EK5/4!H(9CA
MII9,$[!IPCK;+1;1/RG7/ZDT8MY,1/1/NO1/BEAG>3*B"O\A#),.AED](H$H MLT!+$D.TV#Q+$]*GCO0V99(C/9NG&4+Z-)+>IDP"I/<=84&8(!5,D.)9%D%W MP1+621?KI*@]P/M*5\
(PJ3$X>"=W&K)HT?VNUURGXA1PFJ&"_O!:.S"5VRGT@S^,2X36&+@ MM[[9*6]$NH%G\67,Q4EH5^:B+,J!$T>K=@I$'SQ_$ZU!^U2O&4TA7[,T71-M944'Z/-]?
1CR"6J[(Y+T(62YQ)TH5()O429"5CBH[F&IA@]#S3XB?G!!'"-MTD>?/T(N.#\Y.?D\HS1]+D&U.X*JX(RB"S.=ZD.5]%$WX)FZ5::^:PFO@+K]:?G__L_M=+GPZ?-
'M.#YYX^S<[QP6@O^)Y^G+D4@"6?4K2&!?)<;-RJ?/_\,>.\RUHA MKRLS3\8HD51#G[_UU[^+BRB>P2=JA(-D57PP(;0!MDW/(ZRE*/-M%!5^:,R@%>0Y#=A?<9(XAAOF-:K/8]II%>WT_#\
[J;=;S5/>OUZO]6#XC<\-M?R,;[[4:=[?M?KO5.ZG?.*G6[\;7^LV7%M7H7%^W>[UVYR8D,AB^AYBZ-YJ%WC%%NX0T=RUW<4 M7HM=:H4S=&6A,IE2H,9T:
<(#A_C[PIER^V<*EX19*XF0;9P/F3&6]\UM7HZS\!51=Y3G(P!-G9 M#EX^ZP(>]6)OH?"A4A)EG$+[]I3'TQ8.S)XOH"'+L3>0(*N(80*_I^:#D(M
MH=L)6:Y%TK.W!)6N8TK6]6US3=_^,#@5OE6:WX*9HNK>JOW?;NZO?]*E^AX).?1]Z[A3-4IU;BBZ] M$]Y3G4NJ_[5%+?W]I-]?;_31UW2-+7Y81T;:F3]0V'>CVUM5 QX>)5X,)P(U M]!A-
$/4)H!X=)4!9N70*R (0J'7]5ES3;UW5X995D/'6;G..O9U_N])N'SDL MV@V5+Z;P=Q.!F\!IP)Y3QP=+:!B]%#?+A'_B> M2-B\)YKW%[M6H77O\.?QR.<;C.U>\MK &RJE9'O%5TJ%T=]J%-
!EUY;%ZVA&1 MJ--27@\246Y-1 GZ;5[+CY=I7W^Z+O^L-)Q>RXB3M'6WI>H92JY!:?LMQ:/Q M6_JW]9M>&WDF^W1V0:;CL;*BA3*>BAOHM3D:B!"C90!T29QL^1M76MV8/QOP2/GIC M6">>/?
VG1]"_G$X[LTH-CW-1 MNESAI5LP%C6D1O0;2&%O?JIU+H31Z^OTFKG'PD],89.?5N%_47-D]:/NW;W MN@4M5Z-S"TU9O6]6RY+. N,@6"33]%D\?X=V?:*,J"4>*%&FVKI&-29FG/4>
M;CQ+>6ZX*4>>UN$FZ>Z-=')Q]D-"#GQC10FT9=X^7-TMD3GOH:$8LJ[.&XK@-MHQ.N1D]_^Z7BE3(9XO#E\QK@46>G#F.J\H24PWJ0SM";2F,KW*?G$$,F>?XH MZL-.+GX$[F/^2=IMV*P-[
PTY+<#!)'."@_VN9>VW<'*F_3*K^?=UTYK^5&Q8'9-2<)&#T_YP M^Z'WP02S-9U)RAR2RJ;-BI11-\J'58*D(M=-PM8MFOQB19/7!4$%FF;_YTJ4 M->W30/)%&3W\^/[]\3&^#[&BQ=E-
+>X!S.DY6RJ=]!1#GU"+@PMSJJF*3\!'-MHV\$Y$VO'3?@'SMJ7WF6O??[V!OIW7&SSHSP)/V9HN]^EZ#-4 JR@-J]]K8F MB3.?#6Z6-6I>.S15;4?M0AJ-E'D?UU!]E.;Z1:%%:P][<@U+OGA8-]CT";?Y
M@QMHH+W0T%4@/-)?<>;O']]VF/L^ZFV#0D/KUR!:KDG%2:49^*^Z%V\B(-M(H)6Q48!BIQG*]2P.(.,#EX_,^A0FJ'YAV8%:,&Q<\1]]V(^?3AR=@M+3-MFGRU;/E""JNN-LY?
HIKB="YJO6AW50&/1*V43-WO/SU_5V;I]SXRM-$QZ52X MKQ3HIGN-?A._"+:RC952USH,I^>U*IVO%*JTGT8P73#G M+_C:ZY9YK/_]GRI#5SYIT-9*8(9 HRS81$I!7 M_&=V?
%JAS0]%&7G0J$N2P=PEV8.*5#5/?9ZH)D&!"@1J9JB:@3*4N@J-.05: M-/-N^![J6[,UI,[K9T=+QTQF+S=3!D%'K"QLA(1](NH@C[!D#%X5KG99N+"-M>M-BHVPU\9Q37]0E8.X;\B7@^
G%2YRFX4F=V<1>(-!$G6>2Y)E6YP4.3G=X# MV54.4<,<>6\^A1[1.PU+AS**DRB%PN)(\&LG[E%';SP$TX>PQA 1C##3Y86 M#%-R=I<\"0T)AQ'^43^MO&?**
T\S0U*3>_NSWE\?.\N+K$X\ZN]!JL@W!J M=DPHLB7;NL+[UW5PB+NG7!].F(^"QRHVC]FZVE+3W@SV2^3Z%W7U@?\5OQO8
MS6'L2O?!"@#F6!/"49GDJ/*:UFK9^M^_K87M"5>_0:7^4(N?4%C/4R*KXY6B M9&DOM>:&$9JP>]J9]SOE:-*LP-R6!52U B?# M.<5/-'2JGB? +$*B*%A=I$#.J'?
T>VK":13J\A,H3I+@MZ@%68/_?31$%%7# M8'H(I-?@>HO FD7E2JM3UPZOEU$YY7 0"KE1$A1UZE("_%8>FX_.5, #,\-" M,Y1Y!D*CWL'U(-]2F@&=(FVBH.XBIWU4GW#Z&O#4,
[<*I=FI:/[8WL/[,7) M O6.,?=X,H3<#[\?WL,=X.?-1^&/$!3V.N;](280)I"9<8 M-RU(U"+(S-/U"V&]L.!D.]5148F49I3 M
)K'.65>>8)F@S\!JLGI'(7Z9]=E?[F&.\.&!C><% LERNH.-*Q!2%0OWZ?> M.4J"89D/]B/Z1-0@S-P,]0QB5@4GZZK-@G@AX4![ORF_E;56LP4B$!YL\?$Q MT.JW_I-
^/:U>XTF5LQ[U86]X0LDO$>#,"K!+>*&T<)0$X044Q_-0>-$5,X+) MS2JR:YZ?0F='SGM^H4$?2#+?8!L$R*E3N*MY#G4HP>6@[4.X&5-C57G6)\[7 M'^!6@"EN
AB)LGFF0T/RC,HG3.&3'X3FU_0GY[&-!^SO<\X#-GPG&_M'D2F MW"[8!U;GG:)\E*B>H3X9YQG%.W![)^P")"L8>92"32?^0S8-.DNX?+),=E@/6F$]
"GY]";0)6H*_U@!W*^J][O6?*_A2#.;+3?[A[9=O9!L\&L-6H#T]OUDU8$N> M#/!ZTC8HV?;,P3*ADW;\$79%0*:OW5NM?09M#*[D.-*W_[,.@D/6F]>MA6 MX
L>LI(NPK1LW\&$9=5_V"!+:X4LSB^_F#]J6+_Q)L^H?WTC%B?RG<0F?**< M]>B_\P0T^%#Y'K-V)$K8'B6,3OP]\AST;ZT@@EH-(L215P+ #/NA1R(K9M1N M:)8W#S=@S47Q.*H-
P+T+FF.Q.19A*]&PB%#\!440#R)FNGAR)S,BYR$_!YT MN@E!BD::"YPJ::3JB14%OZ8<]AWWWLLQ_[BU1&OX]A0RX&+ZV.MI\HDX(3 M*3]FAMC.! 9+"POP#DJ,&>A"SMU?
&'E8XN\C2:2*X\FZ(-(%U.F!/#I% MA'2&-3T#:1#K;@A*,7334B*3Z?0%V?I%U#3#RHZ9OF@X-+LH6\V8^" T6VQS6LW\OEP-U+U7K1M'-PM.6=4]71*:^N+&FF]?9-6&HKHH-1*&@
MZ +@11A[G%+V'[1_3]LWEZ<4NEK"7-*Y2J2]=K-=OVVW>LE=)T"(X^/! M@Y=L(OQXBL+P/=!TC57%D-7T+D4]H]3Q\!U3*.88MHC2J7WKL(Q?-+AX=]3 M]M1+.R:1.^&HB8IK/?
G*H(RNV7K;!+QU%3M+FY^R:71E/9#-$CU[?)Q-]"S1L^GAQC4] M6_35LRX?5AE1G1FPYKXN3QSJBOH M#*T.5] 5*D)1+2/ZM$+TZ?%Q,-
&G1Z]/S1X%)J,]"K)@M79=N$+7KF%FB&M)X!SHCZ90!$_T;A>#;+_M',^>$'DO-WQ/N2HAGH"%5J]!BZ/?^3NA6U!\305-8X MFJ6).H_)W,4L,[?5#*&KBJ29C-U5%1X(B)
<)YQZ=+B:^\!OPA0_9_&^JE*+3 M_(^Z_ZT[7U/>^9\:LA+-0C1+>C5+9K@GRTO5K-=/*RI;TL9YE:Z<'}>U9P64;"Q6;:<99:E M3\]:+Q-Q*%KM32;4A%N/2*N2[.L;R+X>NJY#,Z?G/?
@J3E]4A[.A1]Q/OF._MTN&0XR^93U1G9C90G:&WV/<+?*+,$;KP:S(=,_QT3)^!>B[L.WC_1/7G,PA@ M7>6&(O^)0M<$6[2Y41#&F95QDLZOS.FROI,W/86!#.,DPSCW-HS37-D-T78F
M^=F[ZM9O^R>+HAIUV;ZIWS3:]2NJ?7/9N;TVIW62D==HB6SH"6*:=RT]#P(M04B9(E)&&9"_=VN,2Z[8-S%29Z3+8.;LH\!K]#@V8I.WXGRB3Y1#(V3!^A[M\,
(#Y+"AVPHH;HHNH-+>9Q\!<)_NX898MG.PZ_/%T5]@/Z6,84[F)L/GBU5-)7W.]BV-L?,A>SKXX[7 M?72+<[RO$EV+&?// +F]Z#<2#$)%D+LJ"UXC[8NA/"ZBG01(C-+Q!9K3==5) 8[
M,1:,/Z]X==#DBUQD =47LR_>V_!8VB] 20(S+,(,2!-_![_]WL-L MU)]5KV=C_)CQ&)]' SNNA,QB4X7F !A.?LQQLWR^KFE0 .I#=-$9KP_$B\&K M?O'U_F>E^_T'5SW=SJSQ$MH>(-=
[O5:_YVQYVR6ZFT&L-S,$Q(CA%TP1,)[$ MK&\0LV&H*N2J)4T+-*1J\>GRQXWV]V<+C&-0-43BUX+?7CG%F:"D$(FI L.3
MHA471='8B[HLH/^@!IPG3D*11UUO<*J*+MTTTU>0PDQ[,.7JC=?+9V/PVFM> MBK0Q:[>GHT0$V%%%:#^.-V8;NG+A'Z]$DSF]_4+\>@/8+D3GS0/L_TF=\>J
M>K[KOSYKTF7OU)'W=5LV!51#AO2"YC9,/>]6Z?G M="%78+VNW/+>MR>6MN;XC@']/)YF\BR]AOZPE\5M17\Q5V!*^-#OJ01HMUJW MKLW5,J&/-%$-G>8;H-
N*=EWVVT]W=_/RI3J_BV.\?=2\E\!O[LD!DU(7<.8H M&>BH09"3).79]+C-.X-5-)UM2E+0C84)]^7M_+4-M>&ENE3-P%;%7*T4+-0'
M,FZ8L>@IG"4:AW#F.H7RCECT%,B2VRK#':&:E?XGZI&%H4)B :OI>_G*1:UJO MR,&\[WMS29[V&$;\/VX9P4/2,>&\0XR4?GNU|L=;TU_QV\K!XXL=O_G+:M&Z%_FI\+%&?3?U[V-G*:XU!;%!:RDIP)V!:?D)
[DQ1YW";ZQ+'7W[]=?4LEW\",4E+B.[_LH-0#VS+W,B((#EE M++:K7/*Z03<#DA.(-6\1P>"%W/%G?5-H/-HMF*N) ;6!:5CR-7G;O?^\N?D M8*;)-U5G=9+RGEF%K.FQK1%,<-
HN++]%6RD41VY2+((TA[W.>1M?EFI,(%?Z MI"/#HNUMDLQ3E91Q!_54D(D\]0O9;^<(U(M?:A;=%NW0"7S.GY^';Q>%WZ6 MQ*+^%-(-/O85W1.\M$6AXF,XHEQF<'
$PR=JU1WC852BS=O6<(1!C!,KEK< M-1+?[(3%85+3F\E.%3">2JOF4EI=59E!5 E*-F""8S60X[OR*+3WD'=%M:>[IJUR_:5^U^N]6SS@;T.XWO7SM7
MS=9M;W&=VX^[=O]/"HF0*F".Q)='.'=EMB9]57M#]V07XM[T&D"XW1]T?.X6F]\;K_!&Z:\]?U1_%'LV,BHE69+?V)LTL";A M><-FQ^Z46454\4*JBJ-8@$KS^TZ@[!5UGKY-%4]
[$5-@DTB:-%:E236 L*D[MUP6*_E.:7#ZKK=K?."845U.1#2X%7F;HI,W!&_J\<1=!QO#T$E78K-9>(J'0 M6];P=!!5RL%AQ*X.BB*/^T"=-L%PO77/D;*+.Z%\?_.EKP*P;[/E^"I3-%+$
MFKJIC"@)PIS7(= 0D M78F.6IG[2%M%>_KU0V/4*1M'VK WRNXO2HC>X+F.R@B2AZ5-*%>H9;3I+S8V M/;6QAJG]O[K-CT%DAT WMQB/M\$,T43=>U25:9=0^4GG ;4SN@::
(K&J^(0 M.$GV-3>3;C;91KLSOXW3NXXUS6Y7<.R-4".X$6KF[391K27GKD7.PN?1W><M4C1]I+6AQL^?9R')&EX]U""D@4NU"]GO[86@WDH)1Q23& UC) X7O86V6H+Z MZ?
6F^VOP6KBIMH7QI-YAIM=M4NN[HKZ4W*IPJ8P/8-=[B[V0EF:_*OY>[DR_-_NU* M.*PFOUK)L"Q.,3NJ?::HUE#SX]80GB2+H-IQ-(DQ,3H)WKAB#T\V;^6.(S?
ME)/O$R.J_7"JO>3MJB-];OGHID*'BKW>:[W^-(S!Z||'P$PJEWIK=I^^4X:6 MY_XF/?;0^IPNX"B@UG)LB.9]HM&C4,M+C=,%'#F<:J[*)'^P$'=*T9_L._%(M$DP9.,S\|@#*1Q?
T&SCO*;&)X950>]$J^5*X&KT:%*US,6*;X-<[L@]UJ^R9H\#<0 M-BI/_7[7X;']BSFVUG"Z_%%N6'TGI^JG7%CLOW=KFU'\K^U\PC,&3:;
MAX4Y70@*#R(33[$[()9AL%/*L:Q7YFH[$9!..#L<02>B4MJ>%0)MWU@='S65GM 4/JH=Z8&A(*7)M@)/*BOBZ1CZT[^6KVJ^ZAO^=)X[Y5'!?,$+|[[#Q&M]]*,GD2F6O
M@'TW2@:.CMK,U"\]Z0&T5Y"XOW]?^_JU.;Y_TIV2.0D8L)6N^.?W,_%V-MZD M6G@%Q&*9>@E#IQ"#QTF%.0;5O)4-EIF;Y5 'JP]=:4YO)2Q5P 1ZFTI9] M1 L%_^-
AVKIY^%%>O\:9()Q4_]#*V"J7_Y"9 8QO!+(\F<(%T?5ME*HSH2%FBFYEE M2H2O&ZMF?87O:BEX>5EN;[2O;]TO+D\W_R>>I2!)]P M1G6Y,939'C030.;AKIA%?ED"A@Q-
Y?.V%A'$I_#.8!#9R^9UXN'N8EYJ.<"% MQUZWEOO[8!^+VEU2;BJ-,O^XZ>%G2>*__@PL@O1#HH_4?WY#)85Z'6XS]1 M-U 76F2X41#&6?>//CJ_0M_XO9WUONAP7>\X2N?
S1TA.#*]@'O(#P'4GQ"> MFW&ZEM011&TF<1"I,$J 3WKG!GQ3.2OD61T@&R'7!P%%I/GWE%EB MO%BK#\S>+I3>'BR[O$KEGU]^,'^9,Y?#=<=JBS<7,.#6D0_TFI#)LXT5_;RK
M)%##(H2P"]2P%FJ&5_(O0[ZDO_#E1%###9@$U%8M7Z%6NN6_<_&CH\^?^L_!V MN:9]\0]]RC7JSX=9^1W1+:'D+LP^XL]"Y+UO58UV\>,E ;(%F M[\%_A#
[W,IAR7[JOCU5A\,H^/4\8XTOG_C*9BK0=ZQ91]&M#ZI-R9O[QE]*U M'._H4J*SM/KCX>]'<; Z&HY$?W2]@?#?VC?RC"6-O<<&Z(PO!5Y6\L0QT<5 M=D$5UI,JF*8*EX-
;QPE55F2%AO_HBI^T%+%<&D+GF'+P-%!"F!5QH;>(2Q'+ MA21LKE(,G<,39; UJV&HNF=D8VBP51SK.&OME''^K8#F.-,LOF@371 ,*..L M>EO%(VO.7,%X'&M9Q-
&A60QUH0EIJXU&N0"+6L1QCPJ;*X>XZH%0+K+,!5A= M'-V+U5RE%NP-$=I%EKJMAAE'VV(M5RNFL*&=7()*@$D(&$_7T3W%ZHN].%I7 M54;H,&E_,-5MWW'*==I7KS^OQO:?
RJ_5P6NW:=1>AW_&3_TXV14??S+T*2X3 M5&IFPGKDZM)%E5C.)8Y4#+J1DI@YO'0+/TCUYITWOA[_Y-)SH\|/5\ L.]KD#-/5P),)(ZOK]2M-<"L*0N"TWP!"1E MAIJP;?
9'9Z=1(-5ZE3C6^L/]8WGP*O_Z;!-/6KEN]H!1V@YH)NG"80E\ F3 M(:C@LP6?<8*B$J:Z],ZW7V<&G0&Q2@E+8;F4T8EDL;AS>PA1QE(1SA7IX+E M1X+2-
^^C*66FX/K)#UZL0DK^1F+UCWW^+LJ-_K],OY]]G8+80-H'S<3 M9S/XEX,RRRK&XIB#,I8"+!-A MZ(PN#$V4@69>|GDS$,3!5'/L!WM5;U]=5N_N'X;[#A<0A!0D'#K^KVCFZ&[4
M&MKG9!T^)R=N.MRS'?:X/[B2WXB"@*-ST"<,N++4)4@V=G3_QB<$,66-^'-M^G%T_^XSCY@N!U]}>2B4AN6&TI%SPU8-&,^73HP; H\H3Y_O3V=<:**-MTD2-
":>.K;N.72[TK_*]J+=OOTH\G:+YI';%?0D\Q9O09[]2'U;2JOZ21KH; M5BZ^!.3R6.H>BRON>?_1&R=@2*:O%@C3)\'TVZQ:%4L%("FF)S/0"3!I 29Z
M0X_5+6Y[6C#]='K$=59H7O_E.M\?DDE;AO:OK/GOBF\/T)%]SPU"Q@*]7Q5&:8W)E!N,-0X1ZX3.\51R%P6*N5B-7[B0D?5N= M3AQER5*.*1*W\TB<*P),[-KY0B+;,]],
4IWFHXGU[ZZ;'1>O_'?D1/J^)YR MI7-?&/YD[ZX.ZWHN&\|[E*"#FE6; +8D>-(KE<\:KO_NDH*LUC">ICOZBR[D M#'(L=Y62D-1#*XC$*+&D,/M_F+-]U6E(;HD"1ECR.(V-[06+_?
I*XM%G-'@ MYGVSQ!4EP*3/%74/6;M19&55-.TH<>5H8V%Z-#E+6;-/3;".S%!X7.ICX!$&83 M(NJ=G>5\?Y9"%!-@,@&,IR347)+0EI^ IJ/:G"4';33#&7YB=U__/O^C??QMH-.Q^.]
K=B7B@K@ MSQJ&J@*9G_=53M:LES@=ZA?FC@4X0J:D MFI\#)_)O\1/0B0O'37"WP+T:?SO?VS^&VL58.L!@?ONDA)T:<><2EL1M#@"#I8I62>@N M!C+3GP"30F
"SV(L^U&=6UA%V8#<;S>L*K*=R[.>ZW,O0&N]Z"H'E84H<^J\ MK8.I!N4 MU=-$WDEMZ=S+H@O';;V_+[LA<\BV (8,U O=J^O) MQ;"\+SP-
Y"1/%)/I63)0+QFFW^9*L7@FZI'VMY$ 282*[5I;OB"_2U\2;Z MPJ?Z]@2^%;[=_ZZGN+JWM!T<33?=*I$2^&E!X$)-,6'BZ4CS9Y2@&$,)>,GW M?
T/I1_]5P@6L*Q2(DQYC]YX>|I1_K(:N(Z=<@!O'XDZCQ>CD(K2+.J$80^0 M;B/4"R]Y6WU)W&FY$G[:)>-2;K'#*?9C"#"9-";P[&Z+4V4H UH7J+T)IX(+
M3A/YP4P4!J_=|JAZITYNFHT'_>QUK2>672=-15JCND4:A<-P4+EX;H0G*/6 MG)X$B.5UANT.;-]<^BC.K@F!=GI>^! C+'^CIB|| 8.Z#%L/V"H4A(W,]$9'";&UH,F](,)X/16[
C^*#>I;EU5#1%R="!8)ET M5;[5].JT6JYRB9XF#&G=!0NV-!6:-CWB6/AKO+P2L? '(V& C2^&33 1&W|(M*0RP\F'S3,3*U(.M]KYL.FF%-CY) H]GBF%%.4M"#"9 ,;3&VVXO-%? "T.
MA#KD7FX,;HSI$*B=D24Z'4/7=$Y&! ML^*/:BG$+P$F$\ $WM0>5@RL["L: 6.&:T.Y]*?\1?G^;13GRN)H&=B+ V9: M(S0_!?
H0VUV(2(2($Z.5(L5H"W_"\27*N2I=SM5*&!W[<%UMA+)!H5LI4NCF M0=E*I9]KE*)/YR&4Q2"SVR.Z4]2(SE-JV1P=8M(NH6T"4KLMT"M%"O0\I;:< M*[#!PP)C439PG*8/?NS(=P-
-2]=A,GQI:73GF\85]YGI;1XTHWMPOO6C2RQ/ M(E(JEW@2J.)MD"\1J=1+?(E4T3;0FRA'J@(3;R)5U WP)\J1"L2"\B<^ZAS$ MX/G)R>>9L]X(;M4:\$KUQ2G0J!OP3-
TJ4T[.61_DJ!Y0Q=$G.LJH8Q$NCQY= M_+MV% NMEA]Q4U&:GP6M9SZKB:_>OT28ONTUFPG./.Z,C-A77S@8&QCEBT/ MT+EQG#OI3\ )Q_/*%"XXA]2B9$6'"Z#J-
GR#"%\W5CF)FG&J3BDC2I\ #24= M90&=O!+0G\QC7!S*28Y$F9-Y$3X.^5,'Z H1#1..]DO+D__R>I2Q%(PAG5 MA7+X*"?ZT0
R#W]5_$3]Y"0#_HFA\GE;P0CBTU:UL'+B+8CL90369U, (,4E MR1:D?T^A)*_0TAYY^^K+X7.K\3-- B;\Z=/U+,HZ!.TV<(_'KO?4IZ!\'E) MJTO"[:59]A_'>D\4?
S'AY%=B'90_(GJSV<0P+K*#47^$W4#-:1%AAL%8;SH M_M%'YU?H&[^WI_JX]N)UO>,HG<\?(3D]"*L"[B%OS=4Y@Q*IV,)-RK*W!$)GG\DK@6"E?H&VY+;NPAK)I;?
QLGK1^W+6[UZV;/M7HW'8[MM_5^NW-#U6^:5._NHM=NMNNW[5;O&'9KK82\C@=C4B4X"?6KAJ.Y3AIN"U' M;V$OD)%IF#=8:-#ZP"\4_F&B2%"Y:?
[/U6&KGRB6H^&J^SCR:OM,6S5?%X M)\HG^D0Q-.CFP=^#%QX@\V$VG7%3^-=>Y]]!,!]WLF<(< M"[BVDWYEY'E: M-7'@/P^AJZ<"<#*%WTPT"D Y%*AOA@PHMI"C4"
('3X!_8"]_"%XGDURA#.T M3]*2+50'-%TO+TKG=D:SG?I/=%K$F,(=S,T'SY;ZBW9/2O;1 MDD68/7EI4:*YN!@L*C0+S67IH8RG4&QAXJL_B)JR\<:9J>1J9I9Y-Z;@1L@ M;
(W(PG8+=$Z4@>"TMCM2UB_,U6=UO? MOT6VQ,Y.P^=JAATH||*D8R"857V,%3*3&/E@0E7.L.A8096Y)PU%5L= H2S" MO"WS@F,3N/T5.VN_F;/"C*UE*+7N0V![RPS&:'E1SCH'9-
Z.&Q)F-P"M\GRG_OPE&(B_J[S\/U8\6QX. 23X-7/ MMX]9$"/>?0]X/WO>/.F $5XB5:KCL!\XN(GDM4GUB @!$0)2W,F^^3HN[^+(M2CA'&..MM,O&$_)D 4I;ZB(#*$L=0(2&V0>(T##[
!$:9A\@0L/H 'G-$V(; M QX=4"H4"_1@8/ZIS+]O@'$?L,&Z%0=BSSG6\^7A\NI2>/PR?8A1X,0Y<"C\ M6YUSRZ5_<&+[@I,XF0]*%&T=?9KYYR$#3*#%>(M(A470/H?SS/M

M"U>OM>-T4OEE-)%'6W79HN< M/4,VAI#8J*UYG[+'&/1M'9T2,!REKG5&UK@;-L_2#I8&&TA:&Y:R\P@KI@K M>5Y4@$?@#L//1#W$!/F_N#!Y.&';L+A8I"W>M;.K-R>6JT38B+
181ML/0:W M)GCQ;@U>NVZVFJN5&2)\1/BR)7P!=[;$E#[O$\E[M9=QK!JV8]]6.RIL,O'MQY1;TP6NE_\09"B,T$TZ>^5ST$?Y5 M2>(1XL0$3((H277R-
)WHP^17):J(\EC!2R4&">NED_565LIK@,^++_F)* @ MO@TJ:$9\&:I2@:D4W&Q*N)5P:ZJYE2;<2KCUT-P:$-FO.+OA+CB)%-Y7&)SA M?:6<0!4IS1$]D:JW(E5K8A.O"G2<8A-
XOY:9)6EKF@&$IJ%"5=2%ZRJ">4S, M+$-?=:%^4ZA\%S/3$[..\CTTF9NHS0\1_DRX>1<2 MTW^()UCE)75B9]\J-:U@<; :,GSD(=&6F^'MC_+MZ&]5O>$6+3 MG*0H=(A,;C2B1'3'
AH+JKO=9U7UO,DJ"060">^J"X\&,^.=(>-^DL8HWXB M'T0^LB(?<:S?%@\JHO&+T.A3P5(7+1-A.3$8M[6'-8(>:0R,<;(E^#F,;U MOQ?VX,8;-72>Y^P*,
<[9M9QS=I,7Q1B)5[4OW^_3W2OD!@O,92G]9!>I.Q> M9>=#>J4[L_H7L?OWZ]=* MFKM*]C2GF272CDF2EDT@EV$G,J]S,)8FD,(/<7A,IN_&0AGC1.;4=WBPT0;#
MUL+FJOTZ/"J5:JZ81(='ZNW46Q3YW2?@I3]C"%&"JC4[M+%/+E8[B8LZQKA5N.O,B[\NFG4ZL_..R$3CU* O"_EC,M&8L-ZA,*![I2W' MXVME,B.6<&MFN!7G,(?4(YUP:SJY=>?
9J^QB; (,X\Q +=Y4!9\S W2.IA,X M,Y#FPP%$KMZ*7T)3KSRR]$*CF< 7]MQJG&=9KK=I[_]/X]2FEM%DL5S@C.+ MB>Y*I^XBH3YAO70'3VR!7 =#N/7PW+J/N73^
5;X!@.V@*78D\1ES*GG(2)\ M*16^L*:")::"<.O!N?4@IF+-".0;T"%\1L S6\"$S1:0[SHSM'&M]0)47H2D
M&;PV+^]Z[G^A5>RTQ*0^"!E!S\FB,H(K@EQ1RD6\BA.%JC/0_7CN0@QC0XH MF(^8+?9D1O2AU>?R/$LQ]&U(GI*1Z&F7YWOAIC^^O=2_#Q>G79Q7>S/<)]^] MS4N2O&@5,?
[8?D* I<.V8OJ7WR#L^N%R >1CZS(1_R(M"H/MBY)["SM-?%O8M8=1B$36B:RG5=;#VL(JL85$/MZ@0?!S"%]Y9.1SGP8_6
MRGG.L:G%F&.SN!W)>+V8U0J__@J_^'0W)QWR=J1=Q]N0T=@SQQ?G+R>19]*U-.'8L07O3H MXE^L+#)29#/ROZ=0^M#?X5.\|_?(>[5%]](C?3(3.GSY1SZ*@3] JA7].UZ[R
M\LYZ+Y/;BQUL"FO^&2"%AGXC";X5-M?O%Y8"0H80\N]I.6*#X=HKW1+/ ZC9 MU--S*^:WNAS7H?8I?&RL?)KLKIG3J !Y;W49*5D]PS,8+^5%&?>N$]FBUWZP
M2;#/\CBUU+LZSQM30^)T(*RI(BI+^VB"D?.ZPL/J. :_CNO9!P)2KMVP[;?+J919FG\[6[:S7F]GPTZFX.WLN*]@(_#. M.B^B.B:_]FM@:9K5^F*!MJOUQ2@7,5T(P*B/7E][7Y8'YG >@[/C
+;TSZ)% MQ&P/X62#4^?Y_4?%=9:T?\7\XRTBJT_1_W@%XFNBZ7.0:MO%0.L8Q=+_4/UZ M ^[DI^MOS1@_H]H_WCD=+#T-!/^MA&6"9L^]>LYJ*)KJVG:(S_C2?]0
ME,7',O_U63,>-<*FP]1 ,<5%66O"Y,(2+7 AD[67#!X]J2F[XS#7XO-UMU@9%1ZO$XDVUS?CFWAQS5-=FZ4:.Y,<.E<3 M(58MAQ[ZX8WO1$/9T,PN3HS?331$!11%P8$9VS8(\;>
MX7&5\>HK"I6K"ZO5#L+..U$\I$UF&7^;_.9PMH\A9_Y"$B& 9G'$$26V2,0F MKM@4B=@<0FRVN(X.E03$PG/^@,=H_ZP.$ KS/JW?W[>=Y] "5\4[M.2ZJX_ MN!N\@E##Q&/=U?[-
"%Y?->P)S63PB.7F]5J. M8;QZO]\P8?%49.+D!(OQBF,^N:QBKE(+SF6%)NU&=29;5,5)U#6]8;FAH)@K M%.)[H*$$,6S,4;3\X7ZR],$/[K%D0(Y6F \H[2B/=.%CC#F:-$E5IF6^+_=
MYO3U[V3W*,V_#XS%@LQE(%4*V^JUCA8L@=0#(]P_]GX\S:O#P$ JH2B)B=9= M5-IQ5G2N4B[D:B&B)+S"M&%5DS*9$=%9Q'&BT?.P\5%B,T]\@&.8*U/)56BO
M:S2.$KNA?/9X]P"OWV):9H*;I[*-U36TX4A)P.B5K05'KS$L?W,7R__*C%Y! MO\']*2WSLX*HS21N?D9!0,$.4PP=1P"SU:KO/$F.
M6'TW.A,;\764V(Q@]4M89B\1J[^.5APEQ[=G]4M8YI5@L_JA^YX[_=F/V?75 M]J)X?[.4'C[1 ^S1?E NIZR,.#3J=.M!W]LYE%QU-<2:+E;$>0*%S=.DH6Z W
MD+R&Q7B^4S)83*0!FC&FOY]>?AO,M_LD3YT$]3<3%6SIL5+]]-B^KJCUT741 MW/$R#@>(K>T[TL'/1"D\RG00)EIC#QS)Q-W9(XE;AFO/+Z/^+_:*?QTGXD+[M],YNOU+5]P[?
56P=^$3+1N(Q[C6V":3N?G!?67[V:_0=71ZJOVML<\IC[]\+YXFFS?&\/"CC.2S><<^_6O+MQ3$Y MGF'U($\#VW6@BB)H\6.&+1T.9Y5' U^Q/%,D>-9Q5%Z)X[G_AQ/+.>5DG8\ M/Z?
[7CD'WB0N8$OZVJ/^!)QP/.K$XN0YI YTO76X /1_*/@&$;YNK'(2->-4 M'=62]0G0 .(N NI/_\GGJ4L1 M2,(9U>7&4"Q[X-$ T!D^HT]?K MX(=3^;RM* 3Q*7SMP]I27E=FYK86'S@_
M*9L74D6Z&R_]U[Y#RR \'G>)+D4:>#2?8?ZVE*\QX>378AV4/R) MZL]G$,"ZR@U%_A-U]e6=188;!6&\Y/[11^=7Z!N_M[/>@\C7?8VC9SY_A.M(*P*N(?
\$$"%">&9F6SA)F79@Y2%Z*1B?*)_J$,31.%K3W6=P821+R(A[,*-M4"G!F=F6HL)JT&UT^L MM%8/*"-_IZLJ3R)4/Q?S.^@=M>7.#*B<#M]7YW7Q2=1%H-6'FH[RA /Q8O!:
M%C7]CR;__7W/[>G@M^F5C4RO;*0J4TIQ(*2X!8AG"1^%.LH?@7:]WR_"+^; M-[L7=*_\33?"YF7[[UM8;K6X5?_,I M<)U6S_N%SPO*IM?0C 6AHFB7OQ
MZ*L:PHQ7.14BU=&W>DBIJ1<1Y@8V@.:RFOQRIP['1X/@0V/.ZX!+@NW!N. M;L:R?>46P)WSH@16\-%7(FO\ @UU_NC7=_[X^NOY[V.F $:X- M4KI"]&0P#Q?JB3*P%-
FNQ<:'$YF "L<"LF@U:Z'[_.WKZ MH=$8K\=<91?&AUT.-+P@1.,4GDM>B@4?02OU=3^?BW^?,@:2GM0V7XRZ ;9/.K,N8_^*/ML M069,:<1Q&
(TMI'>.!59T!HDDC@9"MK;K@#Y/D:R[1/(+)\K(L>K(/0A#9W1A M.*(,S/B)N1D(XF"JN622N?M3Z:M\97BQ=V.(@*0@U5"J0=',EC]4\.ASL@Z? MD_$,3]W"/.$.V!9173)30U#\&"
6T\=K[_*+/,J)<+]\[&'Y=TV!T,9UQHHJ\ M\@:TR&.@;=JB@C8=>VF&>=+*![1%2T IWH0T+3Q?RQC/>Y,]#L?3.#Q8FJ.3 M9G080:L NH-
8/W7'3,C9+CC90;&RS]^7*L/Q6;KB6/WK>@A-61(#13Y&R%#=$(\%;=V\]D#@Y#N>P6SFGSO.0V+IV"W@@/J'. M!\@T[*:ST&D8]/1U[8*; -N&[WLEZA/&H8&!0ZH
MIM;WEEOZY:]TRU38KEA,2O?[":L#J:WY4\92OGB,*:]QSL'[\%9IWU"D].' MT? <),$XSJ97JG$\M&UUCXNM$MN6GZ!?]JBB&8QXR&BM7P9/OT"W=15G?&X<
MVPK#CR50:>,8%VCQ9)'!D4%E0ESVN'_#B1V9 0+'X+@ZD\Z5Z>"Q5M%$KK4] M'M(G0&T8J@KW;H5$W1)W=Z]]O9XUGW\.]+ZMHPDBQ5LPIM-$;F(QICSB;1PH
MJ]8X)H3@(!G%VB+ LH(G+YA046B7FSLAZ&KK.KE%O?^6^<]_/M32$'[.+#A3 MQDYK6(PIK#A.];*U?5^22C9>=\]M/R<:YG2IUS&Q*W M =+)Q@L7?#!;J<1Q3^*
[NE[QM8.0^:.D?OS@OXOZC<2.D^F7#B.TOBO*JEI['C\6)4<+G?H366C=A>GPSS^K!C>XA M*1E3A6&MW;"Y2B6X=A..YS<.(A#]1E)B6#N-JB&.E42E;-C#FM%\IO0V$]0*
M&$\K4@RV(BCUK6TY.OAEW&K=M2_$TCW&Y*]'&73MO*#H@$5.@.S(VY/HLO- M[;-&=?[1$%4 N0%]])WW>E3A9K\L"FFXW0X^@0T0KE8#)WX?!Z\-?Y:>D5@M_
MODT.>*:H:ZC\!'J*9AO4S-Z!V3(%!+^/&X.'1W,\,U_$4F^JQNG+. M!IC8(HX(D EQP5FTU(9,BR,]V121,@0"VE03+<$6F=*/,26__K4?[B7^JU) MG%[>"-> XT<#7LWCL3!^>SC%]
M#*S5N##.!DDD8*)MD&Z+UQ[H5V=EHX\23S*1L..MI#=82Q4P@15O'Y:\M 92 M^V8/?L@WI=@ID=B'5&5XH\[@,5 M>EW#S.S!3WXZ>)U\]73HK\W!
7[_%.16S0_AQ>N[$BRB&D"'"@>1U"'"E7<\, 9 M C\$QK/5)1SUK>(.%?E,H#' +):P"'6*T]&US;5W7UD%E2\/@*"A_7C>Q[LR M /MM-A.-^NA@"3M"?/]9CZ6H@;T+)*H:VAVE6-O+O+
<7-N0O54C(M'ZYG(% 28BD_)=T[O-FZI@.FCON1TIB)>[_^G=,/_)7QN4SQG$7T2/[=W9H M_Q[E]\T-4+Q;TH&L\WZ&,M6,RA!/QAL+\1"D;H,W*6 9D!;LS
MNVHSTBF0BNB.7JLQH7]1+>T),H9YI!P&J2*O P%]49>%U0]<3W:!*BK"9E,? M+QF(3UHOO#GLXI;30"U.[R>7+5]ZJ<89 MR!_;Q#$A3!R GX45H%RWQ5
M%C)#]!,^X2^,)V8M16;-W2#>,V8SR;P=E9,0RZ*;4=NRQ5!HSKN[.^>;(H[: MX%>[T1PFF6ES@X0:NWE)T0S5+/3R3K<.)2YA).=\PC,!DVBX7Y#9_A[$-*K3_9T%%Z0@L^(QXU&
[>)@GB);8K M6']"B$^&G7(!F>X*EE110LYTB.&H.E"AW[FB/=CB]/O32_VB/8^3((W>2;M% MD5C0O0$ELD*&F!H$1U,1';VKXDVKD&"Z!>D/+ %Y]",OD?3'1QU-VCL_?D\
M<]9#UPM,;9A!%QM/.74LRN;)]^6_."]*=B"VNQEG.\&9UY69?4K,_L#!V$;' M*"XKG_L3<,+QZ#9*9GX,Q@]"+D8P"#![IH.Q"@,.&:>:5W3H$Z !Q',"_MFK2'KC%TSB+"O]@=;/!Q38V!
M1P(//Q5^1/UDY,;^>&RN=MU2&(3^%+%$%D+YMW<9L" "DN2;8@_7L*!1G] M'4+*.W]??2DTB!(WTR!LSI\6UQ?3!71_\>:5W_YA%H3/2UI=$FXOS;+_^*E> MYXGB/SZ,
[$*T@^)/5'\^@P#656XH\I^H&Z@ +3+<* CC9?>//CJ_0M_XO9WU MOKAW7>\X2N?S1TA.#*J@'O(#P'4G1">F\62A< MH6^X+;FQA[!]]VZZ5.-SFVW;@]:[+L27A^U>R>=2ZI[V^I!;
[GE M3--K(VHR'$,0)39"43@%W01J,=<)&DIUIJC+VZE[QE 3!9%#E[=0[Y!3C^8(M/0%I3OWO_U09IO)1F0G#0LO\Q/ZTWMJPCT!@B 3,U4 $,W.Y (E@5..0K MFU.
(.&NJ/0)_IHH0N)D$7S(&,H 1'WP!_![,=.NW\"W4G6QNT#3:YIGCNFDA M.',;*%)4Q>G)Y%?.=.!U1UJ"1,',&&@PRJ$OX&,1K_H?Y6!T%(=!; MKJ(WW(*Q(5E+]/*_/U 0[W-
*4%"0"I=!-6H8ID]2'9FZ7WF"UAHIBF[%LRHP M!VJ9!ZVP[AOQ@ 1TX$G@#R=M:PEE)LKVL"?(7M#G1E_G3- Y ?&GQ0_O$,N(MUK 7^*B,-B.ABPX-
5;4.AO&JP4G:>Y.W1!CQ0;ADP$/KQZES<^XL"@,14]?< M-[!QLD88S<3>5-0DP*%8Q,4M-DH%ZV)!Y")QF\),5"#FKLLEMPB9SNJ$"DT2N MZ;?0_!J2S>F(4_6)"H"YO":^4%,H5Q,-->C
=WXS9$"QA1R%O KS10A.9W=0 M3"%X D0[8G^'X,[R^H1#9^MDN WS%@#>%#GKG=0<<"IZ!X*G"9>;#H%ZPM+6 MBSYD5 -E7GWZZ,DA)YD:2IL
@.Y$0I1VB$;91&,ARVH6QT)NA^P@6(>L$;%= M:CA ^4*.0>Q]@A(]H3>-1 D^"Z7444C?ESJKUVJ@;ZXY%0H$4[5X)T<-#93* M!99((4^90WK64R%181322=(*"8FG!@+-
U8DGQK2)8D@"DC$5J@Y[L-V](;LF MVYF"'"&V.HNI$L@X ?%V23B"_P6]-"PS_8#LICF!9MR_K*B=KG&V"E_H?2.(4 M$EY?3"U ESA-$T>F?33'2I#8 MX$# -
X"*S,")NDX3EZ!-.>BX0B%-?.!H[J':MKJ3(T4/\/?P(61@G*6'$TOS>T$%?4C%OGP=&3ET&[ND.!H1^9#>_4D/%L=30?0!5U-&_[N:)*JM7!)N-W2OM7'7]0:GJBA! M858L!V)[,)-+"$;X
MHP/5T$>O2XM.A?)F?\D'KPX3*X*B26A;6P[(F_%M XI..BH0P_==+U-;Q?1 M";S84;OO(B=.8*,K8V#>^VKZRS,8#, %H6(?&2A^1B$XZF0TXQEET6"?HYS4 M#]+8T.-?O)!S[J.$BAW
EPTE&,RHX G(AKV*"+]T'C]!G"PI8WNVO&#P*!#2 MK'!%-$,@M*@5$J&-:1!Z]*UHWR$*]1P9B C>8@]@W9UA,#J6@/,N4,ZL,XL8< M2O*8AZM-2P-MDIF9T."NH8<*(PAH !\-
^!HS5X%";32LZ(^6%B?%]"LG=#)?E3.?L:!PZ&(C7S:G;RC;RP,H"R)#A>IQ<@X-(-2?H<[17: M9I@$2D^70ZITK%D7 B]F@NA4\6WJ$A?1'!+8_HD+Z([#W1Y@&Q.'^>"+N!=N>
MBX:87*<4[.0@/08IV'?B'0=)LJO'E>Z"<_S-!]7U9H/>T@FI+Q*M7<@IO @T MOP:#NOO06:@%!]_JU^+]H=C_.XF,9H*#M$_P"31/[!6RBY"Q/3E'ZTO#->U M:O7TO'=W?5V__4-
U+]E>^\M-^[+=J-_TJ7JCT;F[Z;=OOE#=SE6[X6Z+2]0A M(7-=-)5UQKZUO'RTG->EHB:'SGT8O-A8&7@=9:'!Z_7-%^[7'^7Z2VT4F]$3 MI$;H3,D:JY;IP6OAU\V?
G^T_J9N7$LJJFG@YN84_ARH_7Z=)[.H@C.2R-L2 MZ+3ED_5FALMZ[X*]JQI4N5"F\M2M.P)VF%JS'G7X6J/>V3T4]N^<_HG5W(N* MF$?0%D$UJO#!?Z;
($)S8]:X1BLTU*P=K5^:MHA_T4"#;_&1E1.M";29]/P4;U: M-K,N9LD%V*/0S$K>6%%0 OC#Z T/V*1H C'Z)8E[>V^8M8=G0#43-&;@/(2<8.4K3NQ*I;,6_"7[GA(&E
/1<_\SE6#0CEP'BP* MJJY?%=^C0@MA!NST<720 ME!.$#\,?&B,HR(9JEZ0U%.W;JH;B)V"*4BW4$S>#2L%.-2*A7Z8!]0GDC/%D MH2T,E# @M(E9WEOF&-
'#4Y1_,=>"BL9,1)U8+1U(6WU [28V MF)H%I_5*,RMJJD-5- OZZ!6;6LQ*<$(*;%HM\T%M\TG4$6#]D64S8JB@%+$(AHH.Q,=,^=J.:0KGTS3!'&O(:/VS*F0G% 6
MM9&MJ6W]ZJVC/YPL$>#>O]WF%Q4-RSVL&#-STKIFY=%\]73B++588*:(LFXV MW.!U(0[0>]&). ;O41UP@12EW&+8DOH_&]16>K /459-]%3P]2E1(W M-!N]X+.F>P-
184YYMI^U%E&!9,)C=0G80K $(&?W=D*5@P;8B C-NJ)(&L+I MC!-5NZX#9G^I7)FS84_+-SI!5 G]IZM\I7506I>7+BRJ^<)D.V&!^7>O2=W M8\3,OOU80'[O5'FR-F!1ZO^S]Z7-
J2KKPM_]%;PY=Y].ZY;)%G!<>]]4&8?$ M#)I$,WZQ4-I(@F 8_37OJW-(" H8J-H/"7JG*Q$H?N9YP=9?#*J!C62/I(* M(0\-9UR\9];3)3H3^TLL^00D2*0 X%)570FABZB:@7.
[%,3L,).PE)GO1_FH M#UQJ:Q*:E%, D/>*.:S'0GC&WT)'04CP?INTI$Q>Q_Q;UAK"+9R0:1FOC@1 MI\XX51T-]T@=G3K4 MKE.^_B9@I.FWW" +"O.-9?!CT-Q?Y.5)=BED$:
M52[H1_SK#D"I4Y7ZD% R4L\=2D:UHBI+7$>=<)*PGG3A#7KZ6)K0BX '&Z'_< M^?>(_^.LY1(M)CL@:BK-D"LA)!X#4_8'DJLQ+9YVB^M#F(44NRZIZ*=IY+]
[G<>7K\ZC)KG.ILO5.Q M%JQ8HVKAFN?SE5=:>4IO\U2T\U1W[X7+S"VGBKG>*J=:4E(1X%Q^XSO2^A@(MJ^(*YQ@(M+H)%5B,4; #2$'G0$1X^,6S1PITG(_/6K#W',%18&-
^^$7S0PH9 M$H>79(^BG!"_\[S'&L4]5B&TD^6 PQ+$AHV#1RE^A.T$;-ZAAI5$D(85^!$$ M,==1HH^%[+$7LH.5,RC8H:$]^C+XBU'2 M1:' K=[%97S?<*J,]%9AA4QJH^,\
(\W@E5%%4Y.9Z#MS6.0,?%ZBLQ MEB/#B>@8H:8P: ,\?KH_"WHO?4F'TX)MYPFXF9[D!>#WJ>+>6BEP@X8/83 MW("0Z8s:N$X=&:*3'+
S;\2]-1%2<&!UI)0$="64>WS6V5^!E_J9Y\C4@* M<3[@9R%JH^K)6PZU.;X<8S#9IQ!AL[*GNFQQB)99Y&6)5'=V_-E)#"L) MU=7NAF(.."?RWX:S$0W^C518Q.X>>V3+
($Z6R9Y4P_(&.8B!K]+"<1_0,:4BS M>UZ/9YD-]SI254>Y@31#/OJB-99(K_I41QVH&G'KIT=%4<+]6-3&0(3:6P\| M+R:/6-9LQ*C6)/J"\EM4,)0P"H:"5!S&_NHQ0MJ*9%>5E80D2\
<.*\#1](Q+ M#O6ZZED9D:M&2#'O^9Q%SJ4M,:+>,!G%^1F]CLN\-&OBJ*&V-S74PV&+6=Y<$8)?Z""?Z/
M_X3:/8+>949$I&DPXJRL5F?),2ZOP0ZC]K9J4<\,W9KB8':5.=9.+P&7/IK99D#C44T MLLSZ[$@_H"+PZ&TK*+^]O.P7V<(0E3B%)X'YQUJP-)Q[%:#9"-3GB%-0@1>| M-I[*-\.+"<
Q9PJC.3@F/.4W#.H(>&H^%"98S=D"Q27V>Q>+;P!PVGBX8(R5T U/&_7J MJ9Q0CF'I:,E*8&\|90,P>D+1Z[D'9LPO3^2GMZ6[Y^?"G3Z2^9(S5@80<& M5YKP$$#4XVOW,?
NVD5O94)3XI7:C>_<02A(?0S%J-&GI\X%25#[4'_B60:_M<2<=2-O&E1'NE).HCHGY9(P(L9ZDG**H&GHYLT?I(MI^HWA8)\ $Y'4)D[MMNCPPT^HIZ5LH5-T7-)OK^C:&;G^=?
G\:UZ_+$+S2VS$"Z2PS85[#S)2AH*&$BG'-AD"C"$!? L$/$-@T M!3N82?WN?4B41BN:_EW<'VSU"J.O*2!AV]&!;Z87#MMOAT(Y*R!J[S+T_W:4 MOT\3C0XT,U&'GFW&IF+[AR-
7.;"VA\PZ&ZWFN)&*? ?;>Q*&-%T#2T*0&E M+(VY(;.O.-DG@=F'$GK0L51Q&[9.D,Y]-E_]_Z_4,5D+7'B9(HWBT#*D15< M2(X_FG1,Z=2K2)+N"(::P/T-G[8B?(WA.3?\
<"H_(BHK*U1V*/W&$&R?? M]*=;,T4\^M7UT/> FUB-G1R&%L"P2MBGGIH\8PO]8)GAQ;/SW8DXWF,$RM'D M[\@(>5^MK<+<3#<-XI93^%L=BT^I#+VN", M8S/D[*XXF5CNB5?
5]O1]G*&UZIA-9]E2DUJ,#P-M=*;GSKV-@V5L^DYG9%+K^' M<\+,K%K'J']440VB?GSKV%UDEB'=990&FN-7S P(7AEE[10R1T2CRDN1FHUN
M07JZ)_1L(U\2<\]]1^T_@OF,>'"G&6:<]6]RMVG9XZ86?G*#8JH0<#8G6'70% MXU3-QJRRA+-1WW9MJ*APIL4[PV7E)W1S4W\]M*8=W@=4AUEGY%]+A@XT'FQD
M6FUSP+Q&:=N66:"DG#7N7+^4WP7@ 1SI%+=JMUD=V'A)V"$T&O+8=,'CQLW- MSH8W6 \VNLZ6UC5159@C_JXY)472\OCJ@P M-IFWZJ/:TT*KG.M^I!3YF8TTTA(+;
<^VIT4@3*YI;KUR JT=0_ZE=+ALJ08O*IWW_0IVH#I(OFZX/T3^/ B?F LJ!V11F5 MV*OH$;KPA/P]^?]WL$ 75$..H@]OZ^] MOQ<"8PB_I>]Y-"> [:FO]P?,GJ4FH.8<.3=+&(^P
AE(>\Q."'_25QMAM]%H M8#;.JY\#_[8GH$$%NN*'@,TD'9?1=2T.QD!O&6I\)9G I46HS0%ZO+P\U$NE M4/ *NMM&N =W(:!E%"W"$HK?:(JL#]T5KJCF"?4IV#9 J>;6IMFZ/^]%?D\
M1UF,"E31X<'LH":_E M,EE0P+*@IJ^0:7'?.@^;8B"7GA<#B 1GGY_C?LK)_8G>2,&A&(,SS6TU&OR] MC4Z\>-FTP84I9VW#A%_AWMX48)01(NM1,Z6"9D97$,VI8_!W;SCD;+ D>F5"
M0[>#UK. (ZGOT#Y6>0$'7PWV1U]Q_O9)!6 M_5EF D;=QNC"88.%L?2SL'U M)NM27]R++7?-FA]AO1S?_#1)*]Y2-2A7&B[V4]TZE O=*@7VNFZF4.]T,^I M%SH,.]A]5,*6)+
<9]#^F7K\N-.0I&) Y&!+!Z:%%@*QT*.TE^%1N%D]f M&PGZ:#-LR"/7H3/2;TF8?HCN>\R.I)BQISWR*N8#_E"Q^?VET&[BE[/;Y[M+Z@?,R?=;WN9?;E3D*^WIY/4W4B]?
KW,U#]V9'<9NX'=94Q[*K\,NN_YAZ?W M[^S1::E1+U7JK?MBJ]:H(Y59N]^4:RWJOM:\VNUM97$\9^\!UHWG?!:NGQ8 MT[5I_8@6E?ONP$9:;&Z+>9[(%O-.K3AM7N8]&I)?
!=IBGDGE-K7%'%UV#L#L M>@!F:?C?]O3ZXYF=?#S<28W<-@','M/,,4N[%P@->!T$!K'OVX5GB>IFBVC#.=P2,U0=>XZ0U& #1C/ELI(3<1ZX]+ M2E
M(5/"88\E(7J8$SH:T;.C%L7>F$-#D4,C509&<1.-FB-\>.W234.F:(?N1/K%5 M5@#104+Q53UP;$PPF3G9:.N1H(TT?9.9T[@6N%QT* WT9)OI_Y+EBP^MP0K$* M>-
S143:T1DTR)R>69&5HF-24* P$S4SYXE$K:/(;]!@#TAX>V# G84HN"0-O MA]X.^")^AZ,PP41!*YW!3?9Z P!MDX%X6HOH4RO M C+#/FM*#\UQ!GREN]W(0>9IA-%$K-R3C!_($@;
(#A)NZX!,4\IUYW/C%J;;X$B!AC(!14\K* 1S,K>U3<(ZKP#EK[M;FQ[G%\!TIO63QCFPVSE]^(A9G$EPYWF(4^)AO,MLZ)-U%&):%'"B\O'V,I" M168&D1C[I] GAI!\OW'?
@3A9[)D5S2=59:4LCSI:,R2:)FW#E+2Z\FO>6"S MI?C1NZH4A-N)^FX9!D7'R7CCB1;_S#<6%=8]C6&&EG#*]/E,N5 '(KW"8A4;+ M2L=9P(_&E-*K,:5,?WC>EI?3-
HPMQQV6P2/F#536O()>C(T#,)X!<8->06 MFNW].WKI\TS XB=X-3F[Q:XIV!>+_Z!;/F_T]?+HE4C0.GG5*%]778,WX>=L MG49X ZE=40KL9_YCF-W"=GW4!YP(T8XZVZ
1CJ*3=I54':$QUE8;MI'$GC5R+1*)7;.WVEK; M![^.DM[F:@5'BY@Y*< XEG6;D[TS,(,7MM*"PM8M%[;2A\+60V'K3A=X'@I, M#X6M>U'+LZA6YU#*NFTW6DLX'->]JHR1N7/
M?/&%I1#NNKA;H*!?0*U#M_EA>W0++5G/\1EM_V><3;GY][M-FYE53/Y]K MS48VU^_;%]?/]HSS0$D4HC-@M#27L "\BQ:^>V33?4&G Z@]#Q_SFTON[7*A M@Z9R:_6]E<$X9FS^-
*(8Z%%!G3G)^WO-?V&U9F"+;&;)LC67K+U'19?-S3 \^ MA$KMG=X]NO0 4#C"#)],7$*8=;H_N_87#]O(&C<+0"7L890B=&\]R@T"RFW5 M);Q+=^(DKL2BD58BT7FZE7V17*?
%S(@7\Y/V49V6QS"6ASBKJ39E.0.FGI> M)KES)UE?!DG.T61Z)VER$V+[K/_Q?3ZZ^KCY2N\>41(3VT$%,O$-NM?F/I7 MPLN>"&?F;ITPD4ZG#2[_>
(7W;R0:IFM6;IKD*87B$(1)QLT7[2,.!G_RE,/ MF*>FME1UW6G_>[E3M--,HVT;63TMXE5G;G\,9R.WVZ)&K&E-Y$V]KO"]P M@@=7&E.'T4INO?X3/N$OHWO4X$5C0J-
ZO1SG4R7MS0%>B\>2^.GF&Q/ZLV=/_M-Y^9G!GQZ,ENQ90*Z>BFUW=T.4$;<*P#+2+U$EF'X-+HHR^_EU=\YMTSNYWG +J'-\[7R7,B(7>6$6*$,9F>+Q4S/R7[QUSTG\E)WXG02?
6-CGZF@F7W4MXP]^]":5Q5^F_,#$>D39]O"_*&4(",SOJWM'@$ MR,H':O0()DU9\.U;139\38CME%2X_RE7>1(*C*662E>>Q".WC&V:4IA'M^'
MK_U::E_EH]>]G329)A40HQ=$:SVSO]D#65:A\3-'E,V'NTOUZZDWF.3VE"H] MKNTB2D*.,9T*ZA@G5G&,4?K748#C[QG/47UQW1S%[E.]AZ5:RUU>*_=XA?S M%H?
LQ.8MU30ASYA960R?'0C2RUB]%G+7]IC*C&5^3RERF;6:)N4\9<($:QQM M"$-1T(Z-31UF]%S]1>-FC]V)BVQC[5!Z;H6@03;H<26C#-=)T/HF*PB-5K3G MUH,^HCT=@XOI^>,H?
3W(AQBO&)LZ[?0&9BY6V].L\-2M])KC)QDM*:H\5NH/ M%>J^4FJW$!HV6]JA3GM:G$6*!G]H?5([QX7,*2 M7!+Z#!Z7!PL/2!)*OR-^OO/CD:YG<3L9.:S?'N:!]KGRTN_G[\6+7J X!R*
MW 0M],+%!]6+2OGANH*Z-,JU9O'_+YR;O5M&_+ "9Z5VM:"@S!8L^(1ZE:S MM2Y6U""?RD='BMKACSN^[WCV,7D\PX&'I=S?&>C!UOG@I1&L_^^(
M.;)PF2[DVPMS\2V\M*;1:Z'!&3V@-'KGLLPWE*8^/<1EK)]?4@#?@$=#6+ J M6FO5YYJD\T;X&XB7="YZGT_[]9.]$8\)RM:>&X+46Q$B"IJM[(@:37)CJTS MH7#Q_3K\>#CC(\(6?
BD>)O.S,#8%J4(UGVMVTGTN(M"V4$%0Q"!%K;Z)!;W< MNRL=Z;DF=U)H65*,M0F,.13<_N"_;;B4+4-J,\7Y;DMHG=\ME;1*G*-F#IDI
MXLEL@&]QW^VAQ$ILNX[CCL;J=I>)848=*Q)0WB:F/?&1>55O1N?U4HT^6BQ^MO ;:*6^=7TPJG638?)+)9'[/BRC#C$\C*UY_L\]D#N8O;Y2[1F'\Y36(Y'\ MGDEGO:=]+
Z8A@#_BD6>_M:X$2.UX\@59P@\)FU@].L>P85PQ8\(J/>(/0$ M^,(1+S\4DU[F^G)TI@F@D_9*-AZP&1R;R]$4>#[Q(]+>!5SA<23IQ));TR) M% %:L4ULS&I"7-&!+-B::X?
JLIF3.9NRI_OQ,U>U"T]GK]I3N@LLNMU =Y]F M-O :FD5B(9E)+[?]?IA@6$UV+\$20P!+K.>XWQ^-NW+)^JTLG\VBSB*;TS M&Y/>]T %G+M-R3+VDZ?==*M=^6V<"NL;VV;#_
,::%F:/WU;ICY?"P!H2X/ MU04EY=6>%#^!Y*TQYA#MX@<23BB=I'/+S7V?Z&90]"Q((Q)=M8P^LB2LW937 MS+(#=6Q12RY#.XDH)UD [B8H1#O]3US1+3GJ"/]-
+K*7%2R'V&B3LNS%^:% MT:W,M3YN(# Z^7IFCGP^NRJIXZ_A51TB"!1G7?$I\9."3@7I(G@27GTFF4VO M3O#,>I+N@/]P2M!) [D4 1K(%KS:60\4L&D*

<*&61&0DFV33JQLR@9!KZC-C MG<(.C.P_%/%NO-*0:2_L'296Q%M^''Q^W+W=/4G=0\55&$25(D*49Q'O5ZFD
M3KE!IBJ)AZJOL!C+>&%L.G[7KL;O0KW8+.QZB=A>%H1NJXB7/13QQJ[8PRH.V R.S>5H(I$_S14(XLE3B62W5\1;&3 BH,7/ MAVYWEXIX[4&S8Q5TCX7OX[[
\P!^!L*4$;X[B@CQGSLZ/;8B8C^H_F9=R;>P MQC)'HKXUF_KA)3'5K*K\\A_/#Q +)ZM8\B>K6 GW D,?H7@)(HVTCNUS>K6 M]U:W,3VO=%_//P[5K?$]4EM#8RPI8\L3]F[-
'ZI,8TP:X:M;\R2J6]/YY9U< M!^K8J)9.\)A7MS:$7OXCW7C\NL\=JEMWI+@MA()T$3P)GYY- MIIA#=6M)1B.,?H&C/^AT!:% M/U11X3I"UYRGC_!0EQ'$:<;^K;_-
KZ$_^;V>]4Y!NLG9I.5__X;X],"L KB/ MXPZ 7 D/-,2$8<=EUG?<^TJX=!1#_XN.M;@ZQ?"Y(%>R0P^!58>)]J1GC%W]&,58\YN>W=E@BO+1"_D*TC0 O)A>3=-A .73&;+]TOM!=N
MW2;6%7.FCD>-\]K+S5/^4,(MPEK3[H/88]_8RQK:]Q8:]=,;'LBFDN7(YSZ(F)7>_"7BJ4@S#?.K1^7$]_M]CFC/2AI]F80H;YT!.S>(#37RP?>$PV#ZFF S5$U,@TA-SZ'!:#YO+T41D
ML'V 5-3.]L39?Y.9=[B*]4STQ\1$?(0;;%T@4_:23Z0#SG?:Z-'E=\;X8 M220:?]*'W0,^,GLQ[$D4":63A4(DQ>/;;/UYS+[GKF]?!J!TZ/R)1G(O;&O(MIDA4MS#)?&KYKIP?)A<(=OYD4R0Z?
W(!!DG_,!P% SX)3Y=-9G+K-E[%K_/G MZAQ\W:8^DL7X-#Y$Z\"_C4TQN(2_VR*B_^:3+&'R>4Q)HW0G3_9%(G.'S;
MW(X#=6Q42RY#.YGM=FDVHI:O*#M_BBWNZ8:]3]U<9R/M_'$5AL\W!!TZ?Z)4 MD"Z")^'4%Z!=N-QU.G1]Q@8).FF)M'Y0RXV'?5P>YD_5^E4OSJT[98^5%VM@*BSB!#E6<;[;R4[?
3C3AG2'[*+Z0QDOFDY!DQYMGZ7))#>9W/(QJ'TP'["Y")O+T40BBI\[Y0RDO.66P MJ%(Q2Q/)XF5_>*71NN)],8I(%/+F,XS'L2>3\Z"1-+^_ V+%"WIMJ M^7WT>,8_?>0/E;S1".
[%98H,B5Q5.IG+_/ FC'5E]Q(LD:CDA0*$69Y0_&%8 M"@9^$NYN)ID/,)=ZUVIY+UOE:0=<2.5F& %^J.7=MD@*5>-#YBK6\#!&_/@6]I^61\T,A9VRTH),(6!+%O&P2GN- S&@
1=RB93R MLLE<@-@VH5)>XS7U$02#T#W]=V@INWRQV)Y>U*?/G4'O/N>"U$H&Y^!OCLR MC=A+VX]UK[?5!PF 4WWH9!\ UXJU37(6(6_^I+%+\#CVID^@)^41CU(
M0",%4'*/4@51@%1-=3FE(_"&G,]]"U.XN%[-0T>":@GE!6<]G]10NMSFN/I MG*!T%:ZG44""4$./F05)4'V:^2SX>E50-14=YXM3!F$R]<<==Z!X :I1%< ?
M]4>@QYG6I/F@H0*/)0PY49PD%#!4X)\ES0X+=00_S*F(N]#3! T^!E]5AI!1 M*,5\GB!!)&HCQ&3JR4Y2S4Z3O$[9)7D 'S>A^AAA"NC*;Q+\"(^%,!*!$%]8 MA".ZX89#1?
Z&HE0#XH3Z'_TDIM@JI$KS-OH]&""!,7E+5"P@):ZH-&!-^(0 MVMM"#1KF&2G;[L[&X_(/1?G[O*=-LMP1!0D$?7-ATF*!U O#:!*H>21 J6^ M_8E-]]G,>847IT]L0LEB
@PW^%GRE#+B=V1B(Z'7M"5H7VN#F4)'VUV+)/& MX!A?^B65J\'!3*2HHCF#:WZW__D&3KW#V868P--U[Z!1K7VSB 0RD,3'GO$ M!L%?7K&'E5^NHKY-K_QB#RN_[%7[AY5?
JYW3"X:'E5^'E5\,(+?#RJ^=-1!V MY_".)^%W05]?UDVV/]"_AX:""'-TE:% ;KA%TP56@Z:Z6*$"E*^)8F'7]G82" M%PH=H>S LSB VN6&")3*"+A"+)DC(X93>GS\T^SV 3\20:-7@D9Y4>
(KIK-: MX104T%%K4N6["YW31N\,A4]@(,UI(.;?@*UI2 MQ?K'Y.KL,B)WA>H%Z%I#@)"4NFB*!?1/ /J29$RV^W421R6P1I"/VU =#Z M,O2$H*%H?1)[/Z;_3W$*H-31
)X7!^,XY"J*HCQ6T8_0BW%$K*#GA1PB>:3" M5ZN__RRD^6U#RZ!L1U S?U9]3^\J/">_7%8_1K-!F(ZA(D>GS=)%I?QP74DT
MJE2IT6Q1Q7J9JC1;M9MBJP)_*M[7:_7S)E6K4Y7G4J79I. 'SVK7U^BW000" M ->!L>31+/A-N,DNX0@Q=;J&?31H(GH"=_^["[&NH5\VF2Q1MJ^$:K9?.M_;6 MJ;_WCX(^WL/G6N=L?
GUBIL1$X(5UU(#Y(1_P.*6U4/:R/ZFT&7*E8 MJ32FX_1]>_KR4OD2>14Z[IDHNX?S,W]\V;WQ75#$"E\&24%/F>?;ZNCUGJ#M MC\%.N+ E,B!E>&='D&8-@,L5\B(DRLIH.IE*K;3
A!"%%V<4/F<"^-!S_7-P M?W/%OV0'!&NJ@US'9Z# T.EU<@H81P\B#Z(HKUQ'_*[_]*6$/X?B%Q]^??&]9#*-&&+ U4LU^//=H-Z>@NY'=9)5/\;W MZ4B$O1T(NFT4VLEQ?
=%EE*R76L$*!IG=8(XU\8U0ZF$&X9GZ,6U!0?*X5B_:9UEKH+L\DBC#+R)5 R.BH6RJT.C 0] M2HYC3*#X3\? A5OA!-0[/Y.S?2EZ!28/U^RGPA/"W\UW_15"3"Y?D]FC4$:F
M,;C<&/'X9! ^#V/W>'TWM^$41RIWNMU-"W9(XHS99K: M;6=8_I ?>I'+SY6M!_,FMJ)%O20(6A.0>(_UXB6[:7V005XR:#E%K"",PL6" M?(11)A=Z:\CZ=D?%
[B;K@+@V,B>3F;PV_U3$B18;ZUR-[CZ+=U_J78_F*L0 M]H8]J;$75H<):2M_-7:'U9^2\]Y>9HA5+QE0+#..+,L'YBX5Y "X4]E/E* M36;2H3N.-
V:2+%=V'I5_4N$ZEUY@$<5P5RW]]>RHHI>GS)66^*2BMM=.IR(M&CT2:A\ S3-%C0LW<-6NGLC&%^6,FGK__/4/-R7+MEX?K\Y.+"N06X-R2Y)F MTXC%9Z4UO9K4BKQ ?A3-
K,$^&,_/BWFCV[;D5B.K*PPB?;LD-<9J3P[4WQL M]<'U189(#:9R81NXB44EDTO80Y+Q\YSQW>NT[U[ZC-7;#0CMJ-C%$>%VX%; M@G*+FQ968!/ MU*!86M]R@G.:\ <&V5-
SC<"IH/+/:LTUFWNM\["VA3LT_&][FNN^\L.7[&>O M.FL,GO<&U^+!N?,L'49!,\=H^(2+#P-'8A#] =#',S!ODH"]HP%>T:' MO9R_N^AEO\Z-[SO;A3UCP9[QA'W@P--
"V'N%OAVP3ZZ(Q!]@%6_@"XB0YCX8* M"32D+308]8%G_AZL6WT:B5^4.1[]1R]0LP&>C#W79*WKY2+_7/J^G Z9+:G!5= SJ MZO4HM*?=]V&>[_5)M59UNN!6CB\L!N[-
HME&P)/39RB5B!C3A2TZ_\LG"7N MO2JS;#-6\F5E\J6+B_/THNFDZ_V L,F$/3K_&VFT.*U"+WP!.OO3%Q_$&VH MY7->G?P.;;GZ@;9\^CG',<0-UD;?LBNN1YP!*<]
[D8^Y\8TQ2\31;U"K M3X%:@F(UU\C<2M^#:H.)LGDFF_)<) 5/9XTZ\6^B[3M'KCJ&5/-1?N%!$^:;;"2WJ\(9!<#;+D1C(2R>S 0;R+H-!
MW.'GR3@Y,MDR)KT_!^"6SR57%60!4Z$FBCO2>WC!_NWC[9R5GA2XQ$RP4N M*C1/2KVAHZYA286RGC:\D;,/RMP,HE$5)Y>OK/NL$DF5.M M-;MZT/JBG_.6'E 6PB5E-@T
MUSGY'<3%JB02KO2)EU!U)EQMJ37P9!2=25GS@=%R@L080+P-1TJWC^>*HQIB M">I<8:A/VI5[5&^D[T7 LWK1O@*<)T290PT_0M\@8(SRY64\1-BD'4AO2?N(M74A)
(Y'79[A0'!KRJ[RAF=()!?"CKC&!FE,47+^,IF,K^QA&>/^ @0=T%7VY MP0G5Q,L+S.>@2;\=,)OR"S_H-=ZW9XV5',]]8(W"UN\)3Z*.Q,.(7_B$]&'$ MKRL6M>D1O^G#B-_#B-
^='G5[&/&[HR-^HRY[R=/NNK=K67IK 650!AW-K][% M7BGF^?GVE%:>]UVMUSSKOX?P&6(SIC@;P9AB=_%+]3V=?CT61]46R]P)1Z?7 MC?KY<:MR?T.5*V5FX(PKQ
M64U2(2NCET ^!D7\1>R]#5/#E%&+7'!X;\C":?2*BH(V\KR^E)S 1]62<)G^7E^24I0H6FZ"_F)@UJ\PCQ?":UF2'Q[E$LVX<*P?AD*+CHX":'2,-J/X MG!@"Y\KU@L+PZ#2;FB\NU44_
ZD7%QV*T[PICU.%*U-,W-+M5W<)7 M;T!J2Z^-_EU3NE,ETQS_L7S61O_^'ZG/7UZJ#S?2]]GF2MQEQV*W 8< M"J8]'?/O&8G+U;NY_-&I-4C_MG)/-2^*]Y4]]"F($_1<0\BLG-]-IF>
<*G2+ M$E\6Q!&:_K1Z@\!*3VQ/665R_G7?_,[_[I#*R&UW5[2Y_=+PCSKH^E@Q\SH MJ#% (534+_4%%!1#[_H#-!0*H(6M,]&&MKGBE$EG'^H57;L'ZZ9" M"T-GJSD6[]V(*YR7-&M
T=#MI[^:CV5!KK!!FC7.BLU:"6_F*->N']!>CJ=* M[?P"_5!\K-P7SRM4J7%STZCKDJ5)-1Y:S1;\/)0X,>GNT"/5(;9H+*Z@6,V.: M?
MJ=7O)H/@'C4*=P]'61]RFQ"_2N);T@5;W9).WLD2V>]U.Z-5,3:7Z%Y@6_MPB"/^W@E8[R:,[S LV@\E?,MNX6*K-XFFW8VS+*7[&6ZU!@4)IM%Q5R7R4]"
M1:;MU3E^T2HW\X^RDGT],,6F,)%K>W61O[R]7U;523YWSNT[4ZS>N16M[R<;#131'^SPKGF1'&6M2P)T(T>@UZL$_V!+H_ MT X_T.Z>0'UW7DQ%P+>KQUOH(9>
:/1R=5ANS<"N.5.-4 MYO3FK@@^WF\N1E3A8Q7XC0.DQIBB1+60HGG M]+E"T/X^/Y3DD^//)HBF-A:"# M3_SY))M,LDJN+R%$TM8.^F'*6]:(G1&:"G6DLVD+^"-JBI;T8^J
M:UDEP!67@V0XX$2U\ 0KT>]"KZ7U9^KH'E#X=25] Q6LMD,I% M%4&*T$7_5C6Y^['[,P7L(;-C%72/A>_COL#S 'X&HIP1ONF*F,JE4D>GQSYK
M^W[<'(:@,*,/,%L99LP!9BO#C"4,,T_)GU_N0ADU/7-*T7"B5/FL.:0_LI?9 M2)PHG_D,9;\ZF_D"FRU-?%B!9-8<^[BWD*X8+G4IERPW9CFL5NX7>S+Y5*; M\N4.N(V$;Q_+MZ?W%C?
KXU'VLOV5V MI$IXQ]M%BUK"45FW>"WFRJ^-O-4-U+2=UF[Q+6-XN<-/!@M M1P<=B.K-LGEH)!.%/J31]F]=NS,@L81'A[T6 MUY+Z*N-3#:OZV?
7VOO5\)Y,D>XUANCZSD]3"&W$*-S7+N;XUQVQI*IRDHB M5]5DN)$T67V&,C3!QU2@CZY#FW('FE6QY?9YP6,1CAJ"!2=CQ,=T.5&*IY*
M)RAF_@%MT4(C\G@C+W'HU0W3LNWQ674TSO=9#2LC01Z?-5J-T M=7Q6;%;*J$?OME)O%ENU1IVJ/*.?][$+>$<.OZ0;UIPOA-8$*KR913WNX-F@ M71L7A>]U=>_BQ"-$L: 6;!-
IT:/U=EAD+HD"?)* AY8:TVJ[UCBYKGV0_W])(.[AR36M#!/1B*\@0 B)XOHOM\#"=X\2[^J=&; M+9?4QY]@P>77XYWS[O$F^\[VM"RSZ?RS.$TI841C')C6U9U,MZ>9,MN]KMQ]
MOE3R0;J3L8BC HBX0P=RO#K\YCJ0*XW,UUM:>[L?L"N4+ ->\B]^AB;9"Z1#0 M:\QMS5 _K=Q\AFC6L[^YUNIVKVXJ2NOF8]]KT^.#BI)G?_/GXV>C\]T;9:5#
M#\:F,"FV=_KX5T7147O&5SLVW.VVQ. MC7D+="1"[D#2ZR)ZOL7Z0- QZ^W;=2_IX/CLKHVWWV;;#X+N#_1/]IMV#SWB MY'K$B[;8MA&L-JHOYV+9E6_T(S!VC/;M'7'R %B;9JZ-
@+=SN#4*=J,0^!>0 M1L-<87W.O=V4F$;U9M*/O,,<'0"E+Q3]"!$T8/JNE_5>QD,&<&:%16"B=B^LL MAM@@:*
[R/SB"@K9]+4)0UJNTC63'.1VQ6K8^=0]4P"G=/AI.#H$FRGA7AO%, M4T_JHE,KJI-;IN=Z'K5CT[-L^B3PF>G66C\^#YMN3V^>3UL/+0= .HNJB6R MA'IYE]
(R,.X:"N8U;7@4!.TF6HB"Y5T:'@6!]SLO0$%A>2?FOJ%@ M7EN&1@$;M$%GH?IKS/J!487K9'P1@.TYNXANWN[EP% 3L*_9)?[E_L&")*@;JNK^ BZU1O.W MU?N/=H\UYG()2[.
(6$WTEG5A^A ML/=CKC;O\89!/PF?EP[@]!]0'[FW'0;])/QMEEX>+#V@/W)//P3ZTR1\?8:- M"/V>YE,FK/DT+=T6E.>SQD?^J[?)07TM6>/$0/.$R][FLOF1#'GB:0EXR)/ M(N&![+Z,
[HH[-I>,V4N3B#PPV>5.V0&;!.T,_\%Z:2)A#79?QB;&'9]+1NFE M241,V$)$LG:U47IG[:EP*4*YX=55]GO6Y[!;K=;&= =X36,2R^F__^_XF*H^ M0.3_4+?<&Z2?)O@<
:F+GI#YAWKDQ!'\D:&.CPV2YH6OX%;LLBD;65P]OE]+ M=K!&:Z\B=?_*3W@^+VJ9+\@Q@V;_\1(+YB;2K=L-:XV>#M GC?ZC69 @/6%2X MCM#]AZI#QM3Q4)<1Q.F,_5M_FU]#?_)
[/>M=4^,F?)/J__T;XM,#LPK@/HX[M '(O/- 0$X8=EUG?B2DKX=+1&?\O.M;BBF#'YX-)&O "O^/O'C"GS MT&7[,VAIV2 EZA4Z8,8*G;*GWTN*"\ M4]MY)9?_$30/E9IS(7/)-
&I2\IE$Z34SM!P.^>[1*)M#?OFYSIR=YUHWN8]8 M8'J]AU648[?-0\QA/YU*IOSGD+JGIB%B,$>P68/7T.A*0>;5Q,I")!U6B-!; M$B)=?)^$T.SE^]S%;3D3"SI:6#H:@HXR=%@ZHE-
L,L=ZM67,Q,@<_E-AY0B])3E" MW<>Q2$@VL IP$2%UO+$=V714AXZC[-@-Z9PYN3PA?/G4W:T6EAW,VR.8*S]_1.]2: MI(].5=D5;4MS%C58+)FMR*1K+_!9/'&0_=<:=Q^?
MOW@/\C=M&/;S?X\(K MVDB^EW3)@_4V8&46R03,3D^2:&MLHC3W91RYJ:4SG+ ==R P__SJ+_A'L7* M50@[%#/DW@"F%7[8'MV.E+!6]@*BT>[&YP+]\/'@L_3!O/?0.E @\B$-
A8@(M**AWA@G(2 X>,S9:0D@Y.O7?V_,77A\P 9Q"R5_PIT4.>VB^LP-.9SJZS7?) MT\KSS=5K@;F7NCE@$X^"[PA8#6LV+*'-JG_XD3*6H34*)"=&L_3<
MJ&V"4#T2[:%AXPB=ZERBUC2HQP+TO+DY3%=)" KH<@CZ"'/]1&W^^YH\GIMJ MN?'*Y-6"#%IXGKW90/6?/_EYS]_;NG42_#%5MUD6FN] .D80= []IT2A!TX2 M+9MRYH$&E
&T'WFLL^<6PO8X0:&^4&X8VU^.31^F8D?:.,P,\N!,IZZD[5R[M 8T]-N 64@AHCZ M>JMK'_)(8YO]HRMNG.I>S23Y4PB0K6T=D -8-$(_&V[C M[0QW1Z?LB6=IZ"R@ KU'/>XP&D(
SE$NIZJC@0Z-1 ->(\O@DV@4$V9S_ @)O M7-E@]*+R"QW)LV.W4):[!;RW#K">6P=(O*@]?:JH(%-2Q)LFOZ/U+ZY5 ^7V MM//Z/OADAC6FD0ZR:N"I4CN_:%7*5/&Q8Z
M03,;*)K9"8)O-LRN9/=ZBL#TB>=JP_4GR:S;J?8=JJA G3:S6(QH([6&,RBI4 MP+BD-PF@+ 9@S=O=>?TLUJ\=WK0;3ELA<.=E0I+X2OZ4/XGGO$KL M-T?C863XO.!^'/=0S9:
ZCN!JE$*A..&27ZE<,8J5(*N5X6WQF7G"TCP_#-@ MT]T:Q]W,A+D/I#9*]%[7"4GR*R4>_$D^?4)[=7W%6;"C,!W>GHB#H+\W3.I9
M$D'410*Q!90!W>:U%V_2OA7./]Y$L2(>SLH/U.^7:TPQX2BL]]N.=1X?KI][.X+*)^LYZA#\[6FVQ,*99:D]?K]/U,YEMO,N=(#%-?7UJ0P]B M4L6GXGTY+K%,KY6I8;;_6$A8;2]"R$>%?
++9*&BF93P?368;$D%XF*26@ZNZ M'(H *$:..K=@@E6\&@$TS&C?XL$18G@.H=561Z?(OL.E?C/;-_AQMGSV6Z\D M28!3QY.V(Q-_P7;11)?
9RJ;^\M'@C9&F:IR$4$9Q&G72)22-.F5"T;DU$D %S MD>\L'Y(F6"-INQ6TD5$]@]"\I:-X_#U4[U5907_TK<*N MBC,L.GGVW"35 = ,DQ!>.IS(243S>R1!ZYF888]IYIBE74[&2L'KN?K*?
#]; MS)/,$NXT72^L#(]*VA>]%'%";QDG=)XJH^9C]KK:$ORKBH C&;EK7!&\ FDA MKZQ?590_8:)9SA)%6-!22.=ZV1B10.",">"<"?80+\(4M:I=L/=_K5%[[JN;N M>75HEZ15D;?
Y['ZX2G[_@'D^FDK]52*/Q$AS6]6C$9'LVBKBDGU*99\+\OM; M.JB*V 1I;Z8,=0');ZC&*BY5+=:L%1^'$HK%'A!LFB*$)QS*^UW"S@6"FL:X MXPABSR2LME#?
C*KA!6_V[/'OS;N'1],^\NGP,;5-ST10R"B#P;:_HE5)'B . MQY^%<%5G)F_2;#*7{$?=?.$0T*5*V6*E");FL]4#:3]]Z^1=9I_A:3;VG>\%5 M'2&^BE@=KHBBD#P7+J!@UXFYDP!;T-
:=RAVAP^2K'|V!/7N2,&:R(1]MY*^R M1=\,? PYL?#Y^OB:#1[Y SK6W &.;; YD6"@-^^&"W!8P0UH1-*>?,($6'?3 MG.'5'L!L(VP8$:NLK2A3-Y?#REE?9@?=
<&'#G62IE2.)WHP6+E;BC"32RS?9 MKZ4D@]5O9=O3CU:F=J]QT[OA6\15/^8Q(ZFW*LR7VRTKB<*X*(ZTOHQJ@G@\
MDLA6)X4&%4&CS,E;B.,\ZK'.5JG'6OOE[2FM/7_1<6.+"F=XFCQXF\KY>PL*:!3J^@*#W>Z75@0\M1-C47 M4)',O2#JV\^-YR=W^\I,))"Y/9F2FN7E*D0K:GP1%KAN*2#8W=6'P5Z\$R?
<- MM7*G'PQ3LCSZ;\=6,=DYW1^TN:IBX\>K80]X8-5= 6EX3@UX7_*V2 MCC]@ME9;5L%GK>;0P4_2=A(&@!!LD33A YUTS,_[TA M
7,B['X7!GZ"W3D13QCF]U;MCXT)L+@%'1&XG".G]ZI5IZ4PAF0U0F1+-M5@]LC2H8AS8Z)"8G@>LZX:*"M$:/-0 MT4PIQG?&5AQ83U%*-Q>?
WU4\=2H(R7G9[PKYLTQ]1M7I]!&@W#+,H)P19#) M8?G4_#%$>) $TD'@%/&ML,7G6?",I8@GDE?2-,0$;2<>7WOP$7 >5I^@AZL7&2[6MTNZQI'MLB
MG;%V2#)UOOQ=:M8F[YT%)&:KGHVO1S(/%1%%EMW6G[V3/DGODI$S-X,DS-SG MAF-K"*6WP2"X036=9U7:)U??\Q=Y*B R>R(C.V8Y_(LM'; MPUFVJ_9 4QOVXT-
OA!-9/O3&K)\XI5,!,EF$9H$MGY*RS\DJ&\E^#'/,-W,8DL!!W_C(F=Z)Z?"[+V,AHH0(@/T9'.F?@2 MW?I9.IK=7-8DLFZUWYMI@\L9-YH/1)FHUQ^H2)3?ID+L(;DX!\7/5.]NM%
MZS;4QT;E[9! 63^!XJN]UJ],A=Y EHE!6.0G]=4X6 6,F(8HWC-C(&XQBY)> M4$6ZH2Q*Y,5.\I2J/%"NP(4_&J\\3YHKWZ + DE+?0).D
M1'0M2L0AYAW.JICP[S\ZN>)+V.LY:0R3WX*3%CZW M,FS+66C/0*/JY>OV]0!LFVSF=WMLCC_>T))&3 =U<<\>#TW_]W?$Q5!2#R?ZA; MR/3_P"=]C@!T$N 3LO]0F/K^4 QU?
&SP!R]\!5\]I%_Z6).'^.+6+\RO9-$9 M5ULH'VQ-O @?*W(.;K4;IZOBL MV*R4J5+CYK92;Q9;M4:=JCRCGRO4+V0@"]+(C7%R*-^&M; [AR^J"6AW7HXD M0+&I)
(6,Y22E]8$"J#&G4G.%+?;#O3(8BO($ /CL+VCK>EO5=5GZ BIRD)#) MKK9DC1/M?R_)]@;%W0N SDI7?I.0Y8V]6BDC93VM=_P@9 +H=O?\<68FNVEU
MMWK3_D4&M.Y[LS3J@Z18+X3FT.Q$\!^JIBYS*R.[_$*?T7A[V_>N3H\Q%S3(M?)R!Y@6T[>-%LT[7\B4.?'-^U.0Z$0=&TA#H\T?PI!0@8MT%M9J*3FUS=H:@ M:_RE@]MUE-
D:')27&(N-#"$Q"SSZ*6+YO9%AJ%;_/JJK!B_0I^C ^1!0Q#N M1Z9_\7)7+G4J'T$)-ZE#4-#/9< J7*8R +4%RE/FY@;H;18W1Z>T[YP\"AU7 M/=E1\>VE>]SW#
(IX39ZA_H@"4!P,D4>AH)"# YMSV[=J$B1#T.*^RX+:%65U MI(6?,>9",GER!$12%5M#+KH:^WI*5/GC1]KYT]#(43@(#9652$"]HI]?), MN3T5\J^=YM/%N-
++'IW6ZM#6JE"MXG.E25G$<;"NXF!=49S$4V70Q?*38FG\ M6Q;7!02;IPTH?K0\AHJ\I? (Z5'14:BB&-_NI3G1%$>HXPTQ;UQ@J1JE #5 MJP0TJ,]]0%&0)N6^*4Y5@::>4*V^H":0+8?
CIQ1\ #PYIT=6__N?/$/G_E'Q MAU45_0K%&Y&7C^I=T)E$#KZ@)X\475#J44JHAC7T HJ^$'XFB2"(D=]CC@%>LGPCQ"T E.\?P(8(\ @>$$%),D#*'('ˆM,@]$U0Y8B-
QW@"TI3"#Z%6UPA2\;B=I!*ZVBE0ISM5#@#5'+/1C*"H+],V^KM_+JMW"ATZN+U9=42G_E#1*R2F/7T8W9^]>=*WOQJ57?:XHL@UU4G(WFN^V1\0M/EVA:K9:&E0^A>'W.>6;!
M3#FH&D]=YHS['F=10;U3LMAE29Z>=VR@ZSR6H1<"I 5E"OI;CTXUU$/EZS2; MM_I#E1[+5.5S) QUS=O4H#X7H2*&!H(*B0$%?;M@"/7C+2ZTF-0_S7()_T3_ M\QL;$N@!-
Q!K"E1Y6-<#YS,3QKN0SA_U4(4F5"WXFRI*+E#=/AB@G XT+Z"< M@Q<;RBKVF9+4L#]1;7_2%$Y2D2S4ORU @N.@CC-?I+\;'L^\'7P6N@)^6<+Q
M=JC9%.ZX#WUZ:CA2!&U"O7'ZF:S30'TI0%]_HE?#16Y(4$*$25F0)*B#T>AG%O2AN.!3A MG_78!/HU-&J0:0*/HL+G*]@DZR(KIS-2!0EARVE?&(&S=/L#/7&H0#J#8.A9\?X!X)
.0H<2L/M%_4)&*3SLA,P%LU&[8B)S:N!.P:>EK&>*0L""3(7.6XP>")*B:8EC]4(9\0=9$ M[*L@*QGQXLQ*-N1#R?RZ(250GG 'JK")'1$(L$5>-
ZO23E]00/PYLZDSD%A^_*@@(,NK?'!,VC M8,8UPX3X?,A$ WT3_I\?T$OV;;U ^F8?V@R$PHD[ZPSKX% /LB,$#S*X] M(>,;"@X+
(LAT1Y$H)$;,4_1E$0H#_:;Z^2S8)O&GH)OFXWA0(GA#X@>GNI": M0Q^XJL'90E\%)(&($(F/O!KR%M54'^@Q.D4BHIR@&HRCYL/;1]5G:R(.!?Y MDE!C"2C':JHOZ#L"[-
)B12A#IQM3N?%+[$ CO@?&@_$;$UTK*0Q?=$+5[ ]4 M.6A)4)T)/I9=,9M,:;<3K#\BCD-_Q18,]%PEK:]20$(WG]CH,@%-88],3&7 M)[+W7-SKMT#6E]DH\B1H_1(NF)*Y=MPBXLX"
'X%O?=@Y3PU2;%PS[,>T,_MJ:N*=GQG85=$& 6O,SX_'7Y MI7#54[GG:=XR9(WK4CUX7ZMEB!K#&U-=X\KV6 !GW!JH[F5V;@A(^EG :>]0 M_V*8&2&+\Y!PV<]!TTXI*^N$?
H(_7]'Q^[T$\TR/O,/=6L:$>(<^%95)DA]K MD1\;_*[>.E?@-O1X*TG[!+YL1,YL9&07]!N^V#DEU]$?BCHIZ+>\)?17H"WE M28PYLK*0CJDLS%Z^OO=L"]],[M$C/YI3S+$&+3C(1
QIG.KR\(L65E(QU06 MOM5*7_46V[PX![M$?]Q%?M'(P]] T'(C\EF%Y*?:3RJPG<0T]$I.[&/BL]. MD#VYJ.QH#1J68V1.0I/<)-W'YVM0'G\-SAL]0J0;C0:28Z2!;."K9LX_IZIZ M??
U5V"7.7],(MP#@9/A"X-BU@*.=C+X3FMIT^A/AWNOI"]]M^[Z1V7NQL?QLDF:\6NQ MU;XT&^P+*7]KP?#]V\#\=6$7!T/T/-!KOT)2F]]J]Z1"N:C;$-)K MVJ=P^]P_E%3GOGTW[&*,+Y?
1/R(T%;U;,'9H5M]RLF#LT*QZ:%7>Z>_0K/AS MFA7WIV1QKB1Q6ZV(6TO(DZ(+!P =,'1E&!:M6Q"#. 4 IX MXQ2KI-]=CF+6(T+_"A4=(,<_.!E PBH#^(4+
(.21"G^C_OZS:Q+16&Z0C6]E"%/FKLF8O_M.!^& M:1KZ7[)>,_4'.EW0&!<%=%^$<>M^Q*JA8WG5^6N:](ONY(-'!P@P3R?HT K M#8)M+O#V=##H]+9;]#@1^GG&/2W<8"?
PR',2%#PT@MC_'3%"%DNE"W0[?.IE MKJZ,9.)0ZH.L?']>>BT(;A=T@=_K 2+_">7@=R1_E,!f=U&0<_.I'I MB3F/"VR2&*IQ(9;<#)_E:X^ITHIZ;) G@;@>KCTN6&T$%.* $C/5AV_%6+O
MJ.\/DW%1Z'VL@ E/UHO&;(^*LUT:E=JEXUM8=%UB=;*-6.Z4UR#[Q?N*2W+ MZ4'V^@54^^1%B+V>>!?D^SKBQ>IA],N2(3=,&'_6WP>/W$?VLAE[UKG6:D"2 M^6G'RLGJ)W8"\
O>28?%.4CS40$&&OE=,UB96R$5=-G@,6LE%-FY\K9"DLWF MET['74@/"S-'I FM%$M"LYG53Y=U]4L"=/&"BS=]>:>I"ZG \[,6D%4ZR=++ M5PS%AZHRL:0]+U^AI10GGPK;Z-
@6,,22O.8/[Z*SH.4@"\47LWS)>GRH+$^2 MRI:8YK!P#[MM%[./_K?N5)F.P+7 MR2$T":N/99/Y])K,$=*X8BW#'H4#FUOY>'A,(?#;/ P-BZU@BKK5ZYC<3FE
M)TPETYF,J^7.T>HRP#^P<6J<:=TU+/Z0W';CRYI1)],NT:GM#;V_JULRA9YG72)+S. '[%YA&SQ%_:<@>?"PM9DFX>S2X/ BQP
M[B+@D8!N$IW;U!K+&'.VBS+R!/@SFV0#>#1RB/R/:YW G(>G3]>+V/)<(F<\P+)9@XA)D90M.::P.=D2 M& =;1H&/W<.0"$WDZ/2&E>LN4?Y"VX9A2%)^* D:->%'CH(5C!@FG.?E
^[E M.=@]A+9OK-H%Z7 .E1^DV>69R?V!M0N2X=P?/T@6UJ!:3P.+F5N5@FYJ&IV" M-((0,$ A2^H9[N2T5JH M?(-#5,9=7UPR@0G1R!A&?.410P\R-U U4Q#K0^- MK_7_L.5E"<:M?
*_"T'T-:%&!EL$8)YPX8?T=QA+LW&4$KL"2K]#$@2SM_N M&I [@[ZEAFC0 6Q[:XC&!Y4K&+0L4<]Y!PW:^& MH#&',AO.X?3"65<4QUA%W MG+DP0M0'SV5IP@:V?
3!]&4UE[PH82D6)+PY05[F^/LPTD"N%B^%GKY-Y[7-1 M1C+M)]$7"=C.LJV(]P+P;-:P94GD$^ET&%+.;LYA8QCPL4=9$LE".HP?3G<-M
V:HV&RL,E1!3QVOO%K04^=C=>IH.=/%:.$C9=9U_#PU9F%^06(%['=82[Z6I;=KX0OP1BFIH4%K=^G+%V50>K@A6QBU(,0T4KI]3D5K MB]"&'2CYM$F2&HJ46@*2J,XSAESLQ

M3FL?1T*A,6=^TZ_LE[5 /0/*8694N"D'I7;X*?"1-LX_/$\>ZN7W,[$SBP61 MFQGE(B6#&^9Y(:+Q4D'_XS^Q9K/G]AZ"%7#ZS);G>*3C0.'V533IPN")OKS+ MW_1^QB L-
@X(\&IN_^P]W9?@*[OL81#6SAQ_9P9AG:U!]DNZ[3NE]XO'QENM M614/@[#6$2\+NM<'"|6OC^YW*).,W>"@.^P-[>]'*'05A;&X15 M7C)4(#[V_&LFQ7_*5TKE6MCP8
/W5IUU@[8DRL98)DFSR^L?XC.]@HTEH=G, MZL++<^GRY7-R_YV+-WWYA* SX9:27BY!B*/P@K)6VQ[F(M@FC+"[/FA,=-#<(B:CPM<"4N_%BU"V$':(7,+.465_$Q]V3 4"^Y0,
M*G"S.!%R M.:(%7_LR"S(**^2:=!<:B$Z1@&?9S5%8V7@5#FZ'?ER4061473*5#=/5 M1VH4UG?EKBIE!Q+[Q1]&8?G,[(C.(B(Z2=RT,L+:/ S_ A$YO8=.N8"^JS
M"%Z+=WXUE6U+IJ R4,HB@I*MOF0>U65V2!W"IQM(#@_C<&7+_8L",Z?2'F ME\V1C9,S7KZ?ZQ=SP? Y/OI[EW7."K9KCNC B)BLVKE\C!'7#20X[HI(>U M!G?
M'*Q=D"0ZH8%.,NM,'X[#$+=3W:U#./TXF'31G(()2+(\.U1_!"TRDS]' M=++V+IK\.X-*']))B@>6">G# M=?R/G:'_I:9].!ZE!^S-T#+$PXG>T4@=LD?B@]B5_&KB'KPN^A7Q0=M ?VS
M/-FM X4UYK[]6)RY,$+48Z:3M*2*#2>)8K1 3N"^U+$GXI:$FS,9E3%_^7@/Z@IYZ MP2[FO2-V)\D62%0$,LRZFS&C&"OXD.5:;[>U3(GN"\8*DIJ-%9G54"!1:Y<+ MX\?%10H5=G*
<72%>56E!3Q%0<79!3QVO4<.;%30N<4'$U%I77$0W@_91/4. M9.C0FT0]F"^B472+QWYET2 ,QTBZ!9UA\!D^D$G84RK55*8],3W>:333ZRM9
MP=U\1^/I&\LX<2WX_N_BED8TSN1O/T)SH=NZ%5UH3S^T^LT94]!>U-P1D8,B M-N[)LB;)&M!9S/@'9K/\$?4]$/] $P8B'TC'#\VCTY]$JG?A2U ^AI*EA K9
M"]D\+6CH<&@J(OK'_S@/7W"4PYYS@H3"8 VI+*A#6<6"H='3Y0$-+;B,E/5. M5-GZCT0T:>66@T962^$D5>=@]6QB_XLS[60=L#G]J (O<,K$['?-*QKS^JY> M/71F_:
[7^OTH\WZ<*5Y\)-^K6%?TMKWY^+TA?G^ZK*/D]=F4:M5Z^5FY;'R M^/!=K54*Y_#?U?L476V]ZU:]5]Y?;[OGS(I[OPQQ3W5
M^YW21W&9;%T,O8!VFV&7^8+$+F\A7P;V$S*6O,VZY6WJQ"NX@-F$@L0KFN$T M83#D! 6I#PK:T\H;H!0=I9#_J1N@RLVN(G0 U1.^X>]TK'B27,[=M5NSGES"
M#U87D9HK)PKXB@0)0P"N7.;L0"W0[4O0?7B#GX%,8I+636=_L& !X7FG4W! M\Q>- 7%YPVDUHEH"$A=I!;\%Y*65SK 05HG^ .FJ#NUR^<$UN01J/&(-78" MH1+@9@IXH?]W?
$Q5!2#R?ZA;[@W\ Y_T.0)2%STA_P_UR(DC^"-#'1\;%B O M?)DG6SX%:]D(WBQ6)BN9$,%FU'KIK!4L!-UJF]? +/N77V+'_$3Z+Y_9@#9(MFS#^AVI-AO" 187K"-U_J#ID*AT/=1E!G,
[;O_6W^37T)[_7L]XC MP&J$FV M__X-\>F!605P"\<=G%?2OPTQ8=AQF?4=I[P2+MT6G)]MH\/09?$%N9(=>@BL M.N1L]+\
[;!OFG%XPW/!4[#H4FVH"JF"H$Z%$KJD+=:]>.$#L2)W4%3]2L*B!U M'^[]ZT'B1M!W!?QO0H/;W*.;E?.;2KU%W5=N&]!" MJH]3OHZXMV-SQ^
T"!1!]]H^%A/C9.[5:L/$CVH[>4QZBS2-:3"WZB_ M_QPX/1:K%=*'U0H;7:U00?XO](-3S@=FU&L\H-:R1>O"H5TW^T_$%BM$,6^ MA'\[RM^GE/<6 B8[7VLGA1I.XJGB2]0!KK;
<]2GH?T.G9=P"Q2*+A [)>>GG+QP&+1)AR0+<1# M1">1-A)Z3UAR0X,R_;$9N"D68H[H,#LZO,RJ?XLK$8*Q8]#*6@BY!7TK.T&F M&Z523?;>C0WA&*XMVRT[DDQV3=HC-
9PS=]X?E L%66U]A+ J?\9PSLC,0YIH M?S*3I'-K]"='AH4M(\"]*-)].,/023: 41?IE)U84_]".XPF.JU5NWK4CW#NW%L+S(S%N&1.Z4";">-V[S M03:& 1^;E"&1Y?
33&Y6$V3"7KJ'9PP!T^]QQ/FEFI.ELC6V50< M9\RU4K67R;VJ-!4V?C/F]&C4MLAHW0%0D:E M^]PWVF==TN>,T=O>PC379PWJ?.ZV5^A]3V>K[L@U*#V6Y]NBG<".8RL7$P=D
MV7]A;P>?H/4LM#*YWL_HA2[& 0%>O=!">42S[TVNGUX%$UY@WZ5FXD,O] 9; M2$.2_9)>Z-*DEF-ZDBB@YAW2(F37>]'3:\!Y02]T^0Y,V,X]KS#='JX+?>8% MX&F)_FJ
&SK+"U&8&H=>Z,-SX_S<*'NA7\3SH0PN->XA?^B%)ML"Q5I!4*(+ M4.@42Z)(+I\L!-@?=>AH6Q^=/C'M-(E<5SI)!\AV';(A"D7UCNFB53.)5.I M/6'*#75#^^-SA:K'--
$R.I9=7JRZ+]W0Z06,J':"3+=$I2[Z(J)1QB9S68*C M%-;IA;X;T&SYL5>M7(B'7FB?EJW(S,;TV5:O /WU<2N]CQP%?B8=B61IH;#I M0@47U*VE./FS0-S>C6?$O7=5DH?
M:7/28+B+AZ_Q>+:MR4=N+'+/8\#TB\U/ MHLUO,;]LAFB!/9WVJHE>7>3]]Z[KG54LYG A"#\=$\=&R\C!';#')T.TD8Y. M%G)K=&[O'+1=L"0Z)H9.HDU^]7BT 7_+)?
OSGK]7NNM%TGXUZ,J^= %'ZGU MGR$Z-H/)9F(H+/8$E3Y>1(9$OU&AL.4.^)D7D=JH2(NW-U+JHMGWE^'E2ZU@ M>2-.B;BV*[(SY+_4RBY*WA8&;+3;'>0PXH/
MVH)Z:D2=8CJ7.0QC6!UI+G%(V'FFTV$Z60B.8M"Z2G?\=/MQJ44Z978O1C%$ MYF-E2>3KPB56=JOAF[1KE"4R R.6C:#Q@/M2\Y+(Q/]4F&E><6D/S>[D,(QL
MO(9A1$OM+IHE42[)%DBUL)(<*M%4\OSGZ)8N9[N;"M\&'RJQ+?)9MROVE3<_\CPG2,B\/W?Q77+J"Q;S^:LB[E.BB=:T]S MY?ZC>I6]G,@\F8,BENW)LB;)&M#9R?@'9JG<$?4]$/]
"PPB'TC'#\TCE%$7 M1SQ\"TT#HWR0/_X'^A"XY8U#DG2"B,UY#*@CJ452P$ M&CV=P%OVI&X\VEH@&:DK'>RS=:6)]*>REL.VH@MA9-4G5G5LXG]+\[4F77 YJBC"KS
M*1.S25;JU9[?,XW\I/EFY&[6]L4SN&_J_@&-',.(\06)2[8&=G,REFS-NF5KZL3+ MS<%L0D'B%>;KT?&(BU\FOF+QH"XO.&T&E$M 8F3M/*!'9>%I.45]7&0U@G^@"GJ
M3NWR.8&5MDUC&X^JCP90:G;14 R3J/)%*(2GZ=1GOE)L5/N=T/IPP[K=?2/' M/P,/[P(0_D.DK901<&$16E*N0 N639QXKLBCH:HK#6A#P%]W]<0-X&=Y&_1; MJ$Z@2=B"YS@3Y>
['D0/LD#5MJ8PU"]V>WGXUOX272;X("NM:--'/T*HW6A6* MIO]0)D43'$/BD)AYIM*>?K=J_5MP,7]9X].;RK-1K-T7SNK4,V'LV:M?"O>
MOUB499_/%='D%9+H#3Z7RB!R(^H7^NI__Y-GF-0_UF_Q MO^E_?D/;7.O#9VA]0>&/A\BH.D$/5$?0" H]2APDT@& W],<%G'QCI Z@5 M3+N'4B>]!@8)].62T"MJ!3"S<7RN[F>!E!X?
_Y"_MM-R M*:J-GFZOY.%_P]DK@=-.$"^T5KTYLI[U"M?IS5"-_N FV$^)*<"Z"!#\A0D M%1KQ(HY18C[1U> ;8N[1$'IH%OL!!1]=@H\: T^4O^\#(E702\&$!X24$]V M5"P2G9&YZ<-
#="<$*1BN6,S2>"DHH?=2$9 M:'UH'+WUL8P#",4]I"?2%*=1X[[0A7^ IX$"%Z=75/2*+D!TAL28[266@&84> M8'L/HAH>FV&Z:PS///N6E:4YH4O1L-:\O'8W7EZFFAV^Y\8-
P_;'L,WY+S()]:-MM)E2S+B1)OL63[G//E% @,Q;% M@,8BB?[UK[MG!CLI4N(&"]_JON.(P*![IO=MWG_X\]]6M_T1@TUWX[! O[*[M +]RY@K?*?)ZTWSEQ81ARGSE6%5JZ'UJ*8@ ?
ARS I@T:'L"YH7'/6YI?&+U;Q18(8"B+Y M(#%LWPC+G2HXE:'F?^PC_0AC6A8A9*S5;K/3:2U.KHT_'CBOK[C7.MV/Y9]" M2^\#8+'9Y2,Z,:$7Y73[@8AU6NU%
(K;W'[_3^ROX\9^_[7D1FVB2SXA7]9T- M8KRS"PC>1]8=+2(NN!RT.KNM]KW1FKF]?*H(+VO FBK"A4R2LH2H0%ENI0@8M(!#;D8P8& OF,)^-&$5
MO=;RI"GJVMH;D#"X2>JO'>'VQ(&,VQ$3UBPHCB3+@]H$- U^VV'"6Q=+4K!" M A$ (4$@'?U$74E%$^-4JYDU>3N^F(!$/H$+5$()Q1OFLZ(&.7G@1$JA192M MWUVLG7S;9E;
[[^M_G;ZS8K$K@;S3+E[4%*AN;#1W'V!@'LT:W&CF1=+>GM%L MEE4M"0,2CSA_IL>I,_T AG0R^V6IIW7]WCZPOGQKWV*N7Y[6!TE]3W[?^67Z M>64 7>9)S.J^-
"=VE'3+C^29/!,#Q'Z XA4L/&Y7630]H-' MQB;&7FLY!__NVT'T\^SB@]=MKY--6PL@CN7Y@<5T?/ZDWTYDVQ6I8[*4,K9^:IH;;:P5Z?Y1-ZH>FH#!@R MF?B#P\T>=X@OE-
F:"JP$<8G.!"/I.!\U++C1"^7%U]_;?^^%_1^==[G"EI* MYM$=H"W8$7;>7Y!=_+]Z#K:*X)V=TQOHC=[?XFP"+?OWI_P&%M-1>3[RHK M_9HMYEAJ;J3IZ5W"-4NE]R :_?
7MQ\'EV9^)X9CZ=I'HF[, N6#*'WZ\^>O; MX;/FGX$S 7M=Q%1Z7CB(E;H6 MV^?%N,KT>K!4]57KY+_K_S@XMN7KR=?/N]5],)>-_4_N[OZ6\X<X7^R;QD
M+^'M'Q%S+7SKZ*7^U70B^&=;W]V5W0XVOU;0W'W?RUTU7_M46C17"?UL%PN6 M53#-42$O&A2*%>B=SM-)@QG4$]VGY7:I'=:[?%+_6(\@"/?6! ZZ7^ =A2
MG,;'#W>\=91^Z[EZ#7^:]/E.^5#M?*^%*MM\]1S.L^1D?69>[?9H+L0+?42$ MD3[+_8GU>W.=9;Z#85)MO]C#7,?#+"BE=P^WE=Y=R^2OJ%M?^+VC1 M)VI/<18+P-9N9/99=*+-
UA>S(C?FRZPDRIYI!I +!F.@D 9G\>NZ8P#3NKV M+7=-U^*FHX&M)K7Z&Y\J+(@KYXH7NH@GCS/"E-;C9 M98WD-V*LS$+K?T]O,3ND89!DP,$2])%M=)[4$#1=M:'*7V?H
7&WN8E$2CW-C MJZ09O91FM S-J 2,!(*O&Y,WZ8/M5XZGG>%N;9 #0L,*..+4K4MXXZ'3(D05MC=(BJ:,W6Z]1 /0,JDRS?1!6)H1K@7;Z'HA9NU&8%DQK"*(J*N'BPR=J[# I?
97X^ZUYUPS_5N5?,@_8C;)?5Y.M& MII 3"XVM 6?7DAX 9Y]BT/@+'XX6WZ MW(N /@$USQ?;@_ V5/)"!R\PW_B"BXZ&?@H ./!+F&--IS?<"2.)2E 37Y7 MB]).6E[DV'(OL_N(]>=BM]+
[1[L6#K T4?+%-*S/[@!J9: @[5)GI:'WHI#V M$ID&)_F)WK<7*VY86(DTGMZ(G#:L\H;7PZRKB:AE[]:<=?7B>).YX6HVVF!_MK:G]I60$P.P(E#]A:\#J:/_@:-EH+1^/1>,"7:35 0]$:$%L,:
[ST,1Z!H7 M\'U5O"!V%42\)51;H_$@-&KBV_136[",+#4;2@,16V"KP 9BR2$+R8?3L(DP M0A\#7$@TY=!F"GD?H!=F AK,;C1<<:""-C+Z>[*W"-_#99)GMO:;^ M7(=_M)M-V>
(8O$3SJ&:S2K#9%J-1$]^FGUHMXQ=J@,_Z_Q)#7=KF^)\VNV:. M-J)=@"!NSE3560-^.0"5<<- BV !ON^YV)*;/CK^.VS0%0OG@B2K63 RE@;% M5'H%_@:[>:,'*V%04_3[W$;/&]_C
W% DY\<#C4;\P^\P-)5;4;JH@DV&(T M:N+;]%/;CG ,2% 1ADEDNM>C!MB^R.N@E'55PQ$&+D/F#P.=]\DAN!DP%X0_ MLYE=DW#%CGZKT:B);]-/;6OEIQE2 PW)1[R?
#F3I%1MC4C/P7)L#&?O(F+)&2I!59< M#8?,MT3=1#8"XC,3% /:UG-!0W9XHSQBH4KPMN"\MK9*[R/6WVB9^J)4A0[6 MQG ;DRU]+'
R>]XU$WUQ0%2>+JNVU&A&499D4F&;*&J[H]0)>_*P7,?D#E9> MP3M4/Y6&0!1N 7$Z #>-SKC!69?8EY&I',)*,(*IK&Y(OZMN:.1[WVDV1T/[MQL3WJ03.Z\&AF&H:1C3"IJ&
[\8)'Y,"/'!R&+NKZ MRP%)8&5I&E?O*RAP* M6Y3\NK.Z(),9A)FZ-8YGJ%]&)D[M'..IR)29A*CQ6,J=JH\5,.N_O4@+!E0> MAYPYJ-P9RRXGXF!X*D@J-X>@5QKZ-PRO1**&DT:_M\$#
[S+"B3XP1O/%\.R[;[0$@[)K%-;;RST!^W.(C7%[^8JB?Y/R9PI]A.X=E MSU,1]OJC]O]():EVX5DL.E60B*F(L/FFK^HW11FBST1%]RVFWTN!-VT/MY)M
M)L]LGM[W]5+_*,38"_R8K&Q.>L&:=3/8.IK!VLVZ&>S1-(.M:=KZ:L12+[L8 MP6'CQ%HRS%Z(<8E8^O/D]]-;9D78NZN=1T/ 8QQO1K[/K/K[LIU6SC>F#4QP M,@+FHV-!8^;L:
[1L[)0[*]+UHBT'#& C6?FDN' MV79P8GR]V]3'S/3!:#[Y^@:GS .J)?,WP>&)F;ANQ&:X6 Q@YV@]WS/M,&S M=L54Y-R'DWGYAGX))I6\=U(]3F0!;'K]7?AOW9-
/TP!1H5M$ES0@)&8UTI6 M5I[L(M4SL.W/!/]!%%3P,$N#$*Y&^.1@X FG1= #H,YP0V] L/%);INV+D M/CAX48@;$K=)*]9>^^ MBRST/&5L.I5.V,!D@)QW-V_5&49]1;?
A+ZU&)Q[A@V5D>XWVTV0L&=A(P+$_M(E TH'M((PU'IB\T"K5S^AR>136(02/NV7.!8HM;$Q1$%+F2TT;E(&23^1YR M"Q.ZT,2R/"%!S25ZWT(Q1KY^_N8$H+V4<\
[[P=R5>#K>F8,[XE"=7P(%H"<+ MO:4B$W(.=X'>2=W"D,2.KY6W)OF(JWI_ M47;E^M)= 62*_@#^#N7A-Z*B< M&(+]2XNAUE[CZ*G*"8"0@BK>$TIB+#0-\W\U$Q\0[%-
%"F)>+A$K&6' MGT0HT.4\ A)22,JM@%]6,73-VS=@/8.P^]X-0'YA./O4 MO[3V&T>3^7BO<9CCS;G *RU4S-AGR85O64:X]\S06 ,U-6$B,@K=CO;I.G\9NI
M[#>!ENJMK.=Q.^T+]'2'6):\6P^@FL875ED$(MI\LNQ]BE!0S>]\!RQH@5&L+A0!:Y9HLWP1=G5 (JZE]]YIAADDE7G3,TYHKW
MY5MT"SGHB#&.L+\TXG88Y953;>>$:E%Q4_1HX(-=,=/R:G6?H4&N L&O"\G MK?>] &Q\O1\Q)_X9/ !L_I,+6[*G5Q%W;%%]]AX$S3?@E@.[MOR-A._VJ6H">&:I8=BR+;[-XX
\@;\+H\E_\TDQY.,]0D,8P?0VGOU%:G=MW5M.ZNIE;=U?18 MNIJV6/M/ET]$AL 8SP1["#)I]*H,5=6L":](BHB+PORVTFIF\T<4 '28_!< M)CP(4('RNI2DG47+1]ID"$T_=L*!%UT.,-
Z'6H*[JL[WF@7T;=2 V BKI29 MW_*A:G'Q^N)+A^-RO)V 41W~D3CFV2\0V"E]?YNFE[0IWYU+,LFHQ# I M/]1F0]P?A#"/*AD\L"^@^0,3S0> $P.5L-%*\3\&7;<%6)VYVEO6\R.\K_EA
M46]]&*6>*S"M30U,@QG-T5S'KG.:4VIJAV*T""9)CT5(E7XX>H^QVA8M=@ MBN \"IJ/KAZG^[.2 ->DIA$>1,PVH3E^(E/0GODF.I D:\?:ETW@?7?9&?RUS M<.]C@U9*
(K"U,Y)&X]A!= GZQ9;UL=><1N669?%]7]L&5]_!C=+"U!V^Y!SA M+5AR&+\]XHQ&.!M"C90X_2K=U?C:+^E:R4D6@CC0\Q'.#'"5.YN^4_U5VV" M2/1*(>%-4.H[\B/D/C,
[=IN323'H18&2Q3OH@"(-Z5C"4]":XLODQ!]!(;O! MD--D"&(+-=>9W8Y4MTH>+KR]3)2-%H9,2UAPB UZK_@*/24!PF&KFCF1[-73 M,V6>%TU!4H!9,5[4@JFV+"&SD77-
=#5%KK69NWWNA#(4L7/R]>S9Q$PN.**WO1#B1 M$"E5W,KKB802B$!?6:N6ND 9OA('642$)'O#"A5QBI'\-'FNGS:/9>](/JYA MB&;R[$894BJW35'H2P$N0C8TGDZ'\I+F&6_)VH*
[])5;#!@(N=C6;#;H9#O M&@U^@3?%?;Y80C[RN(BGX5\;^C$\[J.C"GNG]BW60*1M$NF@IE?"&YA&PDT# M@'+0_"2'9)SL.ZVBJ=HZ8%+Y3[%;@O>L,<:W5#0@%?8#U,\
I2F3$UAX8\"#%Q*0;?"@3 MD9 "\T'-F7RT,Q@K-)652 8IJ=MKU.ZTDXA "CI-#AY1:.-4GM,8=34=@):^ M\5((YEY+C1)((:HG!<*HK!UVBSZ3D(I(,Y&MT-3$8ULG["973TS->'7]C->Z
M,U[M.N/U6#)>VU[B]%E>XPZBJN-(5C8$VXCK=IJ6<((7%%MY+W3NZ9098?6I M5@4K,.:T/NA/[X9\0Y+=<9I*F-T6E_+9UAN *9]W-9J8]R=WRDC?,
MA&U1O-.E_+ERPZO<7"LS+^0&Q!8-F;+%$GL%5&KA&#[$C?WMR?[>8-UBI4\ M#S9+HL)X^84KC,Q0R9QFT*N$C11*.1262U=K(=A-8ZZ2VZ!FE1-S??2A&!+1 MW%!,
Y=T[,4>4'L!$]$4$Q#*<4>T^X$Q+OO)P6M^JW>W4N]NLW3TAFZ_>WV7M M[R=A(*]^@V?5 F66M'_9VVDWNT:[%36%BI\=/2V+!,IIO1.";NVG MY<>3BW*5KOS+A#5;^<=E(&_?
Z'3W)KU3^H6IX/J@EZRV@?[&\& MZ%,7G@0_#H>>"$O95YX^G.>^">\UCUS^6Q/$! AR+PA3.;X\^!/>FK*M=XO& M67=[OI7D&72-@TZ!AB:(R%D!?=PF=
(S]P]9CWX26T=PKR/"5,\(R/E@N? X; M!_?&=@&"Z&[E?Q?.T[9QUOVZ(RE7 [-5P*Q3:!NET=$X(7 MIAN:6,B[Y.W:W9!C:^W/(/I6(X-G F794GAQ59V_3I@FO9$F],1X_]EP9'*?
M6B2M@>D?BY\]%^HM<-YCBW6W6NN/=:]Y"W8>L@?'H[^RD+]RQ=G]T*ESKC7 MP%0)F'5FW.F25-7;EHK35EX(MXV]YOUK=[9$$[6-_7;!EWQLFP#]N-"TL)7]
M>*?;N#^B3Y_5RK,&IGK K%-Y)NE-QPNJKS)W#H_N7ZJU $&Y;O1;(+@*0:)' MM &=3]$0:'O+U-H'Q9#RH>I;:P0KH&I!# KJ5'[2!,,N6MY0Z;O2'_R65WW M4P.S!JI=5#[O#-
N"Q3TR2-=+WJ56L4]V70F\8@QE39!T-J6:H[-7A5**F&"E M %[RINS,4$*^[.3]S@S%"LN&85/2W8L>O+7Z=/.B)/=;SV?PGS@DC<9KK$:" M,TP!QJ8HDIU9(*E.^<6ZN&
(911CE!GOEHQE%E?2(0CD/R'AL3=;G_MF_*B5] M5B73-K 2XT%23R:^4[+/T%VV!5WGG4>?]6ZU'WW;_?I,[E+\Z%6&<>O M>W=K8+8@#%K\-
K4PB'LTE',0FK=)9=BR',6#_1E:/98>2VH9K>,44:>K@:/3 MW92(4]?5F*$&S$!%-H3!5 6-U G5R#TPL6_Q^LI:GW43S*,ONMV ':A#,+4J
MKH&I!##K5L5M(4P^L'"F2M[V_:OOO:;;7M1SV$RCO>=<98H"58K!O4+?&XX[M^&UWYSZV%?O.WIVAL(FHSZ8$[\9_&1\L1[,5N",F^<2/9_U4;;G:45[!H.^X
MC,;".E,4ZUW3GR(RSW=Z<+%DTM8W.QM22M8R#HTV!9:_8 M7[TF2-I*PK0+ZHR$S7%>Q-,(6XZR\X]%2\M65<:96,2.COMPQEJ^Y>>:#OL
MS#1'E[G]$Z6QQV:N$2.G%&IQLN2A>)?^GM MJ8\(_](K6"N!_P(U:=D]KO?5L;]#L^>PWS5->S52:V$N?=CI=V7=AZ9_R6%I M?
#3^O^Q7OT=!R/OC,@EW(R3^NZNI"Z;7\].%.*KNZ$WHKV/_Z!>V:?=H*/5+>8XDCI^>]\0O\- M6V*I_\Y^%([&,4I6\WFT[)-GZS<+XR$BR& CN=IY,X1#W1S44+
MU4WDZ9U6>_Q2OQB/,!CW^QQZZ7^P1PR<0X?/-SQ=B?]UG/U&OXTZ?.=\O!F M7MDK?GKU',ZSY&1]9E[MBDK@%Z"DD3#29[E?^;Y M65!*
[QYN*Y'QW,RU0L;?!N'&DPOH^=9AI\YNN[#Z&/F:O+D';SIXVX'E#4>F#\^%GO[+ M7J,5_S#CDAU# WRX:X'T"1BFS=&">-K8MMW>3AJZ&# M/CONZH]>0-D&44#G
M/_(Y4,*8F3]>N,D]FV@(_@JHP#=U,PQ]WHN$#Z$#@$B&H#R8GZ\$A#$+ZU&,R$K MWQOJ7N3KF02T]F.SAF[JOS0;>_'C9<#%2YR_.='C%[U^/V"AWAN+)1(*MYE<
M(O/I.*.A5FCH4@)JXCD@<9/Y'FI T(UP)MX0T)J9T7PV\EF .M#6.\@1N!/X M\9 :6B4N =VAL]=M=.CWTCV)GZUYJA)8(4\I4K7@1^(.H *@3*2+^5?4^?4ZUT&CH@7<:K M :RJ9?@?
5L2T_=.G\$@0.0@VR!+7XB/X\%BW(Q(B:JD@LQ8Q9HHI<7--*Z2' M1KYW"2L&2@[@GTR?Y('CW;"LJOST]:*UU]2#<1"RH>#! '>'7]GYK!I8W<%G
M*>AP*W>U4]HC(\7W&WME7*+EN0NX*4/N>XWN [GK<^J-G.*+6<76 /&,[L1O M-A-X'5%%>S6RS(1(\K@7K_+__'K9;!R\#_=(4C&-V!#];'C.X0#Q6+()BHV!A$ %-?T&
5+'%XJJS;O$;"3TRZ)0Z5S7MS3)\A'L*>;SC>0NO=T*/O M6>"=6[#%+.8W>9>'Y];ZIAI8H;]-<4SZF.-=@NM3XEV;(Q"4M^ =A0RHYY=V M-V7\Y$C\#;/8L,?
0(A(T*KREPT97O='0X:OY[VGQ]X!O QZ$:/04OMMJ[*?4 MF&.&XIL^2'^. 6>4UL [@#F84EX/]E-0(ZY5;EDA9;M>"+X@V*TA6$J@<\(! M '4#G]%[#-
:VO$L7MLPF+M5#V%#X,1P00_1,1WRK"&N"<"(M$$0QJHCSK+&1LK:BI.,=R5?'YC7("P_2CF M#*JXGB!+4D:W3!_"Y70-&'_?!\1A\ O8MPC]%/NVE[UFX1,0='$[8"C42 M2EAC=
(DH*W$E]RBDPSVV+/@D/ &WX$FH9);!#=Z"'(GQDJ\\R"LT%/4_WS M,4B8J6F1O3HMLNZT2+=.BRPU+?) 7]]U_PPYDC\+PBT3[7YV&=*D*5N+4
M1G1]+)AL!9^U<#]K>=KL\@[-^/Q=-8DE^SDK..[1L$A\AD* MDH-$)@)/MYHR+CHYD),(48RSM##^/WM^6<_EEV&]3/8"_.6CIT4!& MQ%&_I M@$[H:2; BK%,&6X$0LNR_
B#??!R?F+%/I60V>!_^1$/14B,B1BA]:MP M*,R%PV(W+$M@"K/YB+049-G2;Z\$$T&GE^2!00]2[X%HP._\FN^5!*_+](*&V2F? M]1UFX?=0?V-VB[AN.MLV=(F-?
B)];)DBK5!0V$%BEY-)T M=Z)6KHO":M'A$JE&46ED1 MTF[+ZKAK>WP,!.=V!T+(.A'Y_!K-?!R() MIF1JG#"3%SED\HE$3\;!P$>TE#OQF/(Z6X#5&TH2SJ0B#5%\@1S@CI'(.68I M.=CA#:
=BLQEFMJ0;GF0%--QC"L"IR)^RIO(Q/XH!XSUO>"HZ^@#2!K&[Q+) MB^7CZ!]]1[@<6,A KH;*5TNFH7RG6(- P=7QTA97OY2N1[GDH#ADCI72WOWT MY8'3O S>\3J!
<*%2T@E=F;34H"K*%O*_H4UTH%)"@BH$\V8)%8MUZ7=;I(%G M,H*VC,ISS3%;AQQ>L* !<;Z94/VSC6AOIQQ&2:EQK&6,JTQ$CX,K!\JBR,+_ MQ@DQJDPMJ?(*HE[
[;6ZI+N=R)8!FCX+ B *$$E253]..;"=- ,"X P4$/>1 M)>.$HF,UQU<%]XD+ES5Y+T?.Z?RPE4#%]GSGY7!2AQB_M9;9^G*L;WL7/:$F&Z/='8$;TX+MU^7K98
U<#]&].P:HF[HLR)8=H5:Z4I1.>%6&H.IGL42O, 0.ALP;ZP,0K]Q@(C A9' T+GTJV/=\0*5 9H(,?P63@ M %UOC(TNG-U0/3BLS@ H;\@MD# V<^")C$_QG261C'X41CY3#2/PNPAZ;)_@
MF'Q)F%K5GH=RB(Z44!O 0;Q&XM!D>1O!T\VSKCH\SXG4M)S([Y M,*;!DYFFN\X*+U,3TU:. 8;D,<[_^W)?MYVF*P31HU6VK1+(.X'WQN]Q?!)2"6B1HT7V,!>
)Z)5^I=S>SNX6;O>K=7=3N MGI#M?._OLO;WDW T5K_!R[T#9/J-[C/$ WM* V2IO!6RUC/9^1C]_V* MWL:XTS:Z1_/M>^'VHG7=Q;C3.FP4KK.?AGC\NX*F_G.DI-L76CE;V\X-
Z. MJGF%QP(WX<@XZMYYM_BV;P+>L-XMR,%5WHJVC!V?@"K\=O\[2Q8@ANKKOVI@ MMN#ZKYG5YA^IX3*5EY1@=.T?/G9UT3$.VP7S[;%M NC,SM[]+8=*Z4R<2ETY
MG9F6.ZELY>*E<[LUT]7'RX;BH%&04]N'HE:;M6U7 [/)1'H?N?HQ+BU5S:TO M-G!7:F J (5S"M-G\Q&I&]L8'$RT++9V3CH;(QH,8[V-T7X[[2+(9PU4.]!,1B_K@C" M;
(3\3O:"3[K>9\D;MKLAY-/:GT']K(:09P)EV83\:R7,WHDQ^F1]A9SIFD>G MDS[V^7">U:V"]!,PZD]H?=#&W5PB%5EYF M=HVCH_OG^K9$<>P9[6ZM/=O%0,M6:L^=;N/^B-
85834P501FGE(J'8Q;LF0'9F@639S+1R(EY&54+:(*Y\C.#1YQ;>$"":DAW8:=T_M?9-WZ_Y3,A:U RL3 M6]];UYAA'!C(TTU;)4 9M5I%RJ6%Q\G*.DUW?:BGL-F&OD\YRI3W9U2
M'.XE*#<<>W"R[I[#M\78-P_O3*PL$_N9OS6;DBQY/?8>.\51%_-B*@6/M@+) M(^\CBV?UZSMXC;37%Y<\!^R2V]T#TV'!:K+!%=87-3!KSME/NHTB)O*3KV_T MTQ\1SPS14BNNX7]$
Z.Y5]&;'0Z-HX-"HK@:H(;Z.FH7$D<5N92B;/+7TB^E M>'B..F;!\S#1#8?C24T*A'\7FZW5+VER\;6:B/BL8 M]CIS^)"[=$WS%D1CUSL08-WH=SIKC4:O.QMQ6+6Q(%.]JON1P-
Y>X_YMODO(M:V^N7UH#4PE@5NFZM)NC.XIUR,D9PO%WIVM+,L'<\-%Y$(WH/0R$4>T->4W M2)_*_WI5_V#%^1#9KJPYJ?W(T:<\]]Y'#_S/[]/[^ MEC/'?]%_B_92X#R1\1<"Z
[>*E_-9V(H4C6=WO;3OVM]JQ'_5W2" MNI4<1U+!;T^3^B_84LL]=9CX]R<@U_FO3Y3GG4,J_%=N\>@[G67*R/C.O=D5)[@O0Q4@8Z;/<+V>5><\R M=6!T/I,;$G4Q=^?,Y65!*
[QYN*Y'QW,RU5%:_O]2B+4_^KU1.E1ED-\(Y6!Q6 MKWART3C_?=NPV\XS^QCYFKRA&G[T]7#](#?ZD-X<.1Z<.#H0>_=!J'\2\S+=DQ=%.SF07"F"8

M\D;#X&ECV[9Z.PGH8L"2L^.NNNY2\2*@-(R/%NF*\6"I @?FDUCA*:\KVA[D6^GDDB:RJ2BG>&_-*< M]'R<1=#E\P:LWP]8J/< $'RQ%;_(W2):\6+G;T[B);;M3+>34J5NTL01@O@Q
MF>^A-0)V"H#A#8'H9A2!/AOY+$!KQ-8[[<;A4R12I(J0FGQCTD5:W&LW.O1[M.;FJ9VMQ5PFL4-PI66#!CR2X@ I >B#=9,Y8R8=9J0H%W4%*_J2I;+_=V!=4
M=HTW(SDQ$"!),^KWJ-&,%X#/[N\UVNGW]+F4?:>A \)ZB7R/Q;*6^AB61#Q] M"H\$D8- @XAW+3Z"SXYU.TK)]D]?+UI[33T8!R$;"C;)"-@ \1%_AW^%04I& M*Z$
QQ0W!0ZZ]FX"5KP(88[X#G' YPCR4'(HO8$;)+3IK$ MUILF#+>:A2J!U0Q*JF 'S\-,S0E*JM5HQI;077JJE=53!])(6HB:$C F'@"X M&UJ)+L)U)UW,AHKCO3FFU8EW\.$;CK>_>C?
TZ'L6>.<6;"V+^4Q>\.&YCT+7 M3 T:']9!XW4'C0_JH/%2@\8/Y.4%1UX51ML7> 7D_@##/M ^^5Z?A]N(XG:: M(>+41G1J4\>FID3(O4$8:.!Q>989"ACQ3QD42-3Y($,C'@HWE
FGS]1=V'GF MP@DSFIA)G[BW\>G4LFD6L15 JL_F(N>O:9.%._S"J+1R/-%RBXF?I\YBEK(M04\Q"!#.$(?#!2&\8?HV+&^G8E>PRC7ZG+O@/# [_R:[Y0'=(J9>T(!QX&M]
MAUGX/53/IB^I:^=6WL=\G5Q*F\$! > (0M>##U^ZO,\M$R25N-.!\E^! MP"@EDVJ?80NPPK"(U*FH<8[M(7=!PV$ ^KHNP*L,5NDS-#-GF##LK+$3DE3M MQD'&
<._*S$J2$$H)GTXF"Z.!E9]U,6;V'O+)E]AY*$9)$LDJ(B*YM(PFG(? M=$R?RSJ#=,))I3Y-AV4R-H;T.GJ>&P6R> !P'?(@P(Q,81W\7;R! 1M&3X%%
M!_X'/IM)NZ9KQ&2F%:PQZVJW1TE:W%' B#(_"KO\YVJA6@FL0*CB%&H-Z6Q" M9K 6K57!ZF+ XUC?4.3D-!?S^'R1ERWFAR98&V8 MBCO(%FSH0F_+]\
VX(@*UC\\DIXZEU'4=U7<>ZZSH.Z[J. MNJYC.R007=FHR=L(=D[E'>8&+%+G/2N#E3C$_$7T=+F=*.=HIEH%,: PF&0 M1!1DU'%"L!2<=!'JS%QWS[.! RXO859 H"
['<$,$IGL//EP;Z=7 "HUT.D'M M0MS[5(N :F#UC6E8KL1=$9MCF(8U0R92"UX(FIJ#NQR%W.$_315106_;9GWF M4S#2O!6FNH'060-]8.)=8 PD1H0LCD:_?\VHM\$0*=$?
D>D#W\./8,YS@*XW MQFISSF[04._,RM4D<%^%$8^4P7<\+NH9=@^P3&[M1='S''O!&"X8DNA,J\O/39)4H8K)M ?K7DH8KA!.D<2"[; M.?E5*MCLIFP5,]3?,(L-
>V!X=%J&)@R1$S,0A2$6_@.\+P[2C@(2\'S1>DFO M0*:,JNYJIE(OU+,.WVXF&0<00",44-?,V;[@PW:2*G@M&A%%A-$E+"B.U8F)
M)\E#/DS@IGQ"!/>'IGC^-5FJN(9J%IS/7>7]H13IZ]XY+#.BE4*JP)A M<_>:!9,(.QSXC$TC;;#*P%[#FCN,TTKI2WXCZ.C(CW.^Z8Y=J@G4@,!'H+(' MU/^--7VJU1Z,OX@[9-
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2$$KJ@>1/T^MS@N!')HR)CXFC0C-27(MQ(<+0@UH#P#QI5Q2Y.O"MNGA#7.N8R*FS^-O?4YE>Y2* LW_UO.'@/3N/PW] M&Q- I7UN=)ZQ<
%;KQ/8J7/9O&+$.N(/(4>30598#TWN4IHL]1Z9Q+ 96&0C M2YJI^3EG+KN,V=OG'V\GE[SJ_7[B]84V1Z_!MTW,6%)3XZ6H M?\0Q<);%1M2)D5"H]' <4%#QWAIHLB!:@<,!")+]@NT&
M,@T]GX;-X!=]CCEJ"K_!C][:$TL;8NX8E_&!O1&Y<(RAT+"S+)GX, MXZU#TV8&:=&=]K-TBQ6^E&!!UD%:9XU!HU\Q^!^ TK.L2"@D.5,-_RC^15W> MD:@^3-12HE8E!NEU
4['%I:6"I>DVZ35NC?)8R9N"(W^HH))*\1:=_3^RJQ$ MSR\W$A^#1MP"K K!$9%T3_<)IFUM4-06V:C"?D<2MEE %;,Q9;D>4:)(-*1= M@5*K5)B*?5#+'B;EM9*O82S9(E!/8#V>V1?
RH4F6^/TW[Z M!J4+!G.4""GAY)IXJX'5S-E]-=?Y,_P,A"TN3Y1[L5U;LIT'_0T'R*-,,@ R M-^J#3@+O6.A9[%V6LP^2Z:77)KBK("7B]JPD^#=8!KD^1(+0]2E >IH 66%C@,Y1\ZR2@D
M;SPJ@4)C&V,?Z:@NMB.BU:YZ%,A_D7$/]&$QLJOY@HQ_)HWE.!-3&"<]L%H" MRH1@#FZ$U@T+!V!#Q!$;,6""NV0!T% +'N)6<9R0(2/>- T9@+PQ?=AA8*B@ M+\+#*L @AU
@2)K7 XH@IFOH7Z3G#3L@OFLDH06?$V"$9Y_?BNG/V5',E&<6 MN!%DQ9D7F< 3L;H(DN 2 @Q*R6Q;"F(!N:_KZB!@F,>U2W(9\4/J6$S\;RU%)48
M>A"A)10D[]&R!F5&'#260&AX6%J(H4;N!W)DS B>Y2+P2!]JZ"=J^1A("9K/ M%"HRM2[)7/Q,PV'$A ;*5,6O!^GXJLR)VQ@#'7K7 B%DKUWPRN%-"QG>C&5= M/ E8+AK'=M/C;
(1,1L"#4#)F6N0$Z39Q/U&]ZAM::215<;/8<"$ZTY"(T".\ M) ;JP-['[QH9NU59AD*J2*S2I.;$.=.T4P*6PIE8@\ MWK-^Q@FTI5B2\WXPWC[68@K#,U?&+J@4-VY*C9]0@^T-X>\IC4"?
'/63W^) M2GVD>:Y<2M4:UV-83AWH5RY.+<:"'-@]=+)3/F2\4BT'*X$5#7W1:)P5&DS8 M_C 0H0+0P5=" L6QC5"X6.J016FSHJUD(HQK%PR#1'T:-!B+6Y%C^F(>E8/M
MLSB+2G,\%_ZU"Y0\3%0]"(TD-I)A_D1AD_%EQ *8&,6X Q#\- F%Q*C (']* M+CAC340UQTRVC#VE#!2L/!%5X7%6Y!@VF[XO@B*4#4\0 M52,Y1>Z X-
/D5T28!M:/A3]&@J()T17:A9)PS"KY6C6TA"3TL77MAZ&4@Z[X-6"0+A:2"NHCA&E5DHCRDH?C 0 M5?^F,_Z)MDZJHH,>-=+5A)]X>PC^YL ^NB9-,(MDG7;JK!('ZD<$@(;B00Q
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MK.CT'#H]6:HG6PM2-]D"6X,@ L8.0<2,'%->1QLG$!IZLDI<\.<+B<)N1'=S M>HX11O\81O_190^%:YFN>=,P+&G)3FN.E>^^/T91+20_.;=>J!Q;O%H+U$)#
M_X9!11%=*U^7PODDWY.R!E5*'QBV&D>4&X5 [*J=E[)X23"*'NZI=0V1[@] M(!!##(!YT4@6N(NM,%"@YB?3TD])\6D604K82+6M@9Y+;1W%1P(,C0:1*4KV
MA>Q.:3>L'CT_T3O[S=U6<[>S9^CXH7;SY5EJE)2OOZ&A4*)#-.%A7?!P@UX! MCU5$ 5MZ-2I%]L3(K8@@&.VD9]6)0)XF%/!D16)_9'8"3S,8TXY(53^?5A% MV1X"
(C0+>NIF,]'W(FA,%8;FS)]2T@&TR^V;,S=%!@8:%S8+N]@3?/58.\JO-QL$>=Q>\ MEV(Q;O_VQ+7_VVRVGZ@]/0,*!=@ZCV_Z5\#XGWEPE8>
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L/UEC*2R=DFIRO M,[33?[Z4%#X:B$+N27$N2@=! M+18V42R(,'$2HW]V3R23%&0H6-5WXMG*KM)5 I&7L81^?JQZT9T\T\^=?4W M!I+[W)%S7&BIF[XUT-N'8MQ\+
<(>JP@[R(JP M]DHDV!?79Y=XNP&F+(\M7>=FGX$Y\293SU1+AHV2#'6#2"TCFJUF5D;LK41&B(O9SY+*S.V2 M#EL32JG-AXT3#6ON'6NULO)B?^V=8Z>W][#KO9R$?
+P[UVVH,PN&3WT]P4W 6HRIH.QW"6A%S]'?F M%?=@N0DM#88NKA$XCBX!5+W5$0'55_-FA!F(83VIA!">P(A?.8X?\'63\S0 M=$S7,R8WL-
24<']*:&^*2&@O2R08F:$NK4.ZF>ZD@9$K^D*KL]<4'3NV1_<) MIA]7#QTU]U5_T[GI]TR7!;L?;QTV5HV/[6:S79/NKRBW+YEM4!];\=C.3_[,F/6)SG329XO-_4+=Y-0S
M1F,03#%]XPVX1. '.4S?$2F<4-S.ECIX30S7H#%$HIA2!FIAY=:SZ3.]JIYF M2/7;X2R!7=5SE^XMG"W,?UVWO8&%AL.:672_I-TT"F8<2.0/G_IUL",S!6
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3'^.Q@Q*XP"FN4]BGP]S!TN)XC I>IBJ^NJPA M1TLF\NGS CKUO(!USPMHU_,"'LN\@(7JH#NLL26W0&?K+)*IX.=G?WPXOOCR M^?
1\O:KV!',2&YA.7XSG9$)AB@=H99]%+EY>@0N:43CP?+QS MTA"KMCJO@FCT>SB +8?_!0.%;A:1*2EJ,],K=!K3B[?2,C$O,Q]6L35134J? MWY]__4D!!%%6F0U4"-
<>OHEX__:DG4.GYSGV3-\L46WE]-E^\6I:T6!G?W8.6 +^^D%WBLB^:#U^,7 J(I M)WBW>;]F)%[QWY\'SP4_9ZMJ<.Z@_N@/>>%,NF@ U:D16.KDZD/;[$/#I >W M,>*#<"6SN
L5;/51;OI1[GQ24\"%$,V?X+-M/,+-L7EJ.Z>V<^:T<_*EG)D! MRX_UD#=>SLI3(ZB2DZM/;;-/+5:'!-=74(AZ;/N@W5.?X*:?(!FF!%.AU+WV M#C?^]'+6:7*$Z',<6W3_,GI!JNJQZE@[#.
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S+'A^R=]^M?_VV#_=VR__M^?G/MZ.SHU9P^ORX<[L7M;^/OMYV^L&;+_/WK/AO\]O^2=G8!V8YEGX]M@] M^S;^=O7E>_./CZ?<&5P//KS^L6]?^?[HN'OPSX]__G-
U\N;JIF5VSO_N=#HG M7WJ=LR^?_A7]N#HX^SKZ\->_7W__^U_7>\?OSJS;@[^=SQ?_[^^#P?GMN\|7 M;[R_!J_]T54__)<5_>N?HX_GP=[S[#'^ M[R <.K__?U!+ 0(4 Q0 (!.
#5E^%"'/Q@L /1Q 0 M " 0 !C=G8M,C R-# V,S N>'-D4$L! A0#% @ $X -64I_O-RN M#P =K, !0 (!] L &-V=BTR,#(T,#8S,%]C86PN>&UL M4$L! A0#% @ $X -6=@IBV]F&@
/(&UL4$L! A0#% @ $X -6?3I*ZV$0P MH,@# !0 (!;#8 &-V=BTR,#(T,#8S,%]L86(N>&UL4$L! M A0#% @ $X -69TMVI'U+P O0D# !0 (!(GH &-V M=BTR,#(T,#8S,%]P&UL4$L!
A0#% @ $X -6<6:L_!@" UTD M H (!2:H &5X,S$M,2YH=&U02P$"% ,4 " 3@ U9 M4)Q*)X("92@ "@ @ '1L@ 97@S,2TR+FAT;5!+ 0(4 M Q0 (!. #5DKP[!E>#,R M+3$N:'1M4$L!
A0#% @ $X -6:,!:CC3 P N!8 H M (!I[\ &5X,S(M,BYH=&U02P$"% ,4 " 3@ U9J!2SPF$4 0 1&0X M# @ &BPP 9F]R;3$P+7$N:'1M4$L%!@ * H 8 (' "W8 0 $! end XML 64 form10-
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5370004000038000760 00-4000038000-3994000-13320001402500014365000100310001303300030001100010 00012000<p id="xdx_801_eus-gaap--BusinessDescriptionAndBasisOfPresentationTextBlock_zty8fBjQ3416" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 1: </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">BASIS OF PRESENTATION</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The accompanying unaudited condensed consolidated financial statements for CVD Equipment Corporation and Subsidiaries (collectively “the Company”) have been prepared in accordance with accounting principles generally accepted in the United States of America for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. They do not include all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary in order to make the interim financials not misleading have been included and all such adjustments are of a normal recurring nature. The operating results for the three and six months ended June 30, 2024 are not necessarily indicative of the results that can be expected for the year ending December 31, 2024.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The condensed consolidated balance sheet as of December 31, 2023 has been derived from the audited consolidated financial statements at such date, as filed on Form 10-K with the SEC on March 28, 2024, but does not contain all of the information and footnotes required by accounting principles generally accepted in the United States of America for complete financial statements. These unaudited condensed consolidated financial statements should be read in conjunction with that report.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">All material intercompany balances and transactions have been eliminated in consolidation.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Reclassifications</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Certain reclassifications have been made to the prior period condensed consolidated financial statements to conform to the current period presentation. These reclassifications had no effect on net loss.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Liquidity</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">At June 30, 2024, the Company had $10.0 million in cash and cash equivalents. The Company anticipates that the existing cash and cash equivalents balance together with potential future income from operations, collections of existing accounts receivable, revenue from its existing backlog of products as of this filing date, the sale of inventory on hand, deposits and down payments against significant orders will be adequate to meet its working capital and capital equipment requirements, and its anticipated cash needs over the next 12 months from the date of issuance of these condensed consolidated financial statements</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> 10000000.0<p id="xdx_80A_eus-gaap--SignificantAccountingPoliciesTextBlock_zrH4jFiTQeLh" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p id="xdx_84C_eus-gaap--RevenueFromContractWithCustomerPolicyTextBlock_zMNGaWYoMG9f" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Revenue Recognition</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In accordance with FASB ASC 606 - Revenue from Contracts with Customers (“ASC 606”), the Company records revenue in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services promised to its customers. Under ASC 606, the Company follows a five-step model to: (1) identify the contract with the customer; (2) identify the performance obligations in the contract; (3) determine the transaction price for the contract; (4) allocate the transaction price to the performance obligations; and (5) recognize revenue using one of the following two methods:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><i> </i></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Over time</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company designs, manufactures and sells custom chemical vapor deposition equipment through contractual agreements. These system sales require the Company to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. For systems sales that meet the criteria to recognize revenue over time, the Company recognizes revenue over time by using an input method based on costs incurred as it depicts the Company’s progress toward satisfaction of the performance obligation. For system sales

that do not meet the criteria to recognize revenue over time based on the contract provisions, the Company recognizes revenue based on point in time as discussed below.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work in process, and installed, as required by the project's engineering design. Cost based input methods of revenue recognition require the Company to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known and can be reasonably estimated. There were no material impairment losses recognized on contract assets during the three and six months ended June 30, 2024 and 2023.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The timing of revenue recognition, billings and collections results in accounts receivables, unbilled receivables or contract assets and contract liabilities on our consolidated balance sheet. Under typical payment terms for our contracts accounted for over time, amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Under ASC 606, payments received from customers in excess of revenue recognized to-date results in a contract liability. These contract liabilities are not considered to represent a significant financing component of the contract because we believe these cash advances and deposits are generally used to meet working capital demands which can be higher in the earlier stages of a contract. Also, advanced payments and deposits provide us with some measure of assurance that the customer will perform on its obligations under the contract.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract assets include unbilled amounts typically resulting from system sales under contracts and represents revenue recognized that exceeds the amount billed to the customer.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract liabilities include advance payments and billings in excess of revenue recognized. The Company typically receives down payments upon receipt of orders and progress payments as the system is manufactured.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract assets and contract liabilities are classified as current as these contracts in progress are expected to be substantially completed within the next twelve months.</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Point in time</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For non-system sales of products and services, revenue is recognized at the point in time when control of the promised products or services is transferred to the Company's customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those products or services (the transaction price). A performance obligation is a promise in a contract to transfer a distinct product or service to a customer and is the unit of account under ASC 606, "Revenue from Contracts with Customers". </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For any system equipment sales where the equipment would have an alternative use or where the contract provisions of the contract preclude the use of over time revenue recognition, revenue is recognized at the point in time when control of the equipment is transferred to the customer. For the three and six months ended June 30, 2024 and 2023, all system equipment sales were recorded over time by using an input method except for one system equipment contract in the second quarter of 2023 where the revenue was to be recognized at the point in time when the equipment was transferred to the customer. Subsequent to June 30, 2023, this one system equipment contract was modified such that the revenue under this contract would be recognized over time using an input method based on the revised contract provisions and the fact that the equipment does not have an alternative use.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p id="xdx_844_eus-gaap--InventoryPolicyTextBlock_zPDLVYD14voa" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Inventories</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Work-in-process and finished goods inventory reflect all accumulated production costs, which are comprised of direct production costs and overhead, and is reduced by amounts recorded in cost of sales as the related revenue is recognized. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our cost of sales or work-in-process and finished goods inventory.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">
 Obsolete inventory or inventory in excess of management's estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials and other qualitative factors. Unanticipated changes in demand for the Company's products may require a write down of inventory, which would be reflected in cost of sales in the period the revision is made.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p id="xdx_846_eus-gaap--StandardProductWarrantyPolicy_zc0UoDtmBa35" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white">Product Warranty</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in "Cost of revenue" in the condensed consolidated statements of operations. The estimated warranty cost is based on the Company's historical cost. The Company updates its warranty estimates based on actual costs incurred.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_842_eus-gaap--NewAccountingPronouncementsPolicyPolicyTextBlock_z9TD7ck0roX3" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Recent Accounting Standards </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In November 2023, the FASB issued ASU 2023-07, <i>Segment Reporting</i> (Topic 280): <i>Improvements to Reportable Segment Disclosures</i>. The amendments in this update expand annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. This update is effective for our annual report for fiscal year 2025, and interim periods thereafter, with early adoption permitted, and will be applied retrospectively to all prior periods presented in the financial statements. We are currently evaluating the impact of this ASU on our Consolidated Financial Statements and related disclosures.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In December 2023, the FASB issued ASU 2023-09, <i>Income Taxes</i> (Topic 740): <i>Improvement to Income Tax Disclosures</i>. The amendments further enhance income tax disclosures, primarily through standardization and disaggregation of rate reconciliation categories and income taxes paid by jurisdiction. This ASU is effective for our annual report for fiscal year 2026, with early adoption permitted, and should be applied either prospectively or retrospectively. We are currently evaluating the timing of adoption and impact of this ASU on our Consolidated Financial Statements and related disclosures.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)</p> <p

style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company believes there is no additional new accounting guidance adopted, but not yet effective, that is relevant to the readers of our financial statements. However, there are numerous new proposals under development which, if and when enacted, may have a significant impact on our financial reporting.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_84C_eus-gaap--RevenueFromContractWithCustomerPolicyTextBlock_zMNGaWYoMG9f" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Revenue Recognition</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In accordance with FASB ASC 606 - Revenue from Contracts with Customers (“ASC 606”), the Company records revenue in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services promised to its customers. Under ASC 606, the Company follows a five-step model to: (1) identify the contract with the customer; (2) identify the performance obligations in the contract; (3) determine the transaction price for the contract; (4) allocate the transaction price to the performance obligations; and (5) recognize revenue using one of the following two methods:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><i> </i></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Over time </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company designs, manufactures and sells custom chemical vapor deposition equipment through contractual agreements. These system sales require the Company to deliver functioning equipment that is generally completed within two to eighteen months from commencement of order acceptance. For systems sales that meet the criteria to recognize revenue over time, the Company recognizes revenue over time by using an input method based on costs incurred as it depicts the Company’s progress toward satisfaction of the performance obligation. For system sales that do not meet the criteria to recognize revenue over time based on the contract provisions, the Company recognizes revenue based on point in time as discussed below.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Under this method, revenue arising from fixed price contracts is recognized as work is performed based on the ratio of costs incurred to date to the total estimated costs at completion of the performance obligations. Incurred costs include all direct material and labor costs and those indirect costs related to contract performance, such as supplies, tools, repairs and depreciation costs. Contract material costs are included in incurred costs when the project materials have been purchased or moved to work in process, and installed, as required by the project’s engineering design. Cost based input methods of revenue recognition require the Company to make estimates of costs to complete the projects. In making such estimates, significant judgment is required to evaluate assumptions related to the costs to complete the projects, including materials, labor and other system costs. If the estimated total costs on any contract are greater than the net contract revenues, the Company recognizes the entire estimated loss in the period the loss becomes known and can be reasonably estimated. There were no material impairment losses recognized on contract assets during the three and six months ended June 30, 2024 and 2023.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The timing of revenue recognition, billings and collections results in accounts receivables, unbilled receivables or contract assets and contract liabilities on our consolidated balance sheet. Under typical payment terms for our contracts accounted for over time, amounts are billed as work progresses in accordance with agreed-upon contractual terms, either at periodic intervals or upon achievement of contractual milestones.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Under ASC 606, payments received from customers in excess of revenue recognized to-date results in a contract liability. These contract liabilities are not considered to represent a significant financing component of the contract because we believe these cash advances and deposits are generally used to meet working capital demands which can be higher in the earlier stages of a contract. Also, advanced payments and deposits provide us with some measure of assurance that the customer will perform on its obligations under the contract.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract assets include unbilled amounts typically resulting from system sales under contracts and represents revenue recognized that exceeds the amount billed to the customer.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract liabilities include advance payments and billings in excess of revenue recognized. The Company typically receives down payments upon receipt of orders and progress payments as the system is manufactured.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract assets and contract liabilities are classified as current as these contracts in progress are expected to be substantially completed within the next twelve months.</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Point in time</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For non-system sales of products and services, revenue is recognized at the point in time when control of the promised products or services is transferred to the Company’s customers, in an amount that reflects the consideration the Company expects to be entitled to in exchange for those products or services (the transaction price). A performance obligation is a promise in a contract to transfer a distinct product or service to a customer and is the unit of account under ASC 606, “Revenue from Contracts with Customers”. </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For any system equipment sales where the equipment would have an alternative use or where the contract provisions of the contract preclude the use of over time revenue recognition, revenue is recognized at the point in time when control of the equipment is transferred to the customer. For the three and six months ended June 30, 2024 and 2023, all system equipment sales were recorded over time by using an input method except for one system equipment contract in the second quarter of 2023 where the revenue was to be recognized at the point in time when the equipment was transferred to the customer. Subsequent to June 30, 2023, this one system equipment contract was modified such that the revenue under this contract would be recognized over time using an input method based on the revised contract provisions and the fact that the equipment does not have an alternative use.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> 0000<p id="xdx_844_eus-gaap--InventoryPolicyTextBlock_zPDLVYD14voa" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Inventories</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Inventories (raw materials, work-in-process and finished goods) are valued at the lower of cost (determined on the first-in, first-out method) or net realizable value. Work-in-process and finished goods inventory reflect all accumulated production costs, which are comprised of direct production costs and overhead, and is reduced by amounts recorded in cost of sales as the related revenue is recognized. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our cost of sales or work-in-process and finished goods inventory.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">
 Obsolete inventory or inventory in excess of management’s estimated usage requirement is written down to its estimated net realizable value if less than cost. The Company evaluates usage requirements by analyzing historical usage, anticipated demand, alternative uses of materials and other qualitative factors. 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The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in “Cost of revenue” in the condensed consolidated statements of operations. The estimated warranty cost is based on the Company’s historical cost. The Company updates its warranty estimates based on actual costs incurred.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> The Company typically provides standard warranty coverage on its systems for one year from the date of final acceptance or fifteen months from the date of shipment by providing labor and parts necessary to repair the systems during the warranty period. The Company records the estimated warranty cost when revenue is recognized on the related system. Warranty cost is included in "Cost of revenue" in the condensed consolidated statements of operations. The estimated warranty cost is based on the Company's historical cost. The Company updates its warranty estimates based on actual costs incurred. <p id="xdx_842_eus-gaap--NewAccountingPronouncementsPolicyPolicyTextBlock_z9TD7ck0roX3" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Recent Accounting Standards </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In November 2023, the FASB issued ASU 2023-07, <i>Segment Reporting</i> (Topic 280): <i>Improvements to Reportable Segment Disclosures</i>. The amendments in this update expand annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. 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However, there are numerous new proposals under development which, if and when enacted, may have a significant impact on our financial reporting.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_80C_eus-gaap--ConcentrationRiskDisclosureTextBlock_zy0QusLZJ5Nk" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 3: CONCENTRATION OF CREDIT RISK</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Cash and cash equivalents</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company had cash and cash equivalents of $10.0 million and $14.0 million at June 30, 2024 and December 31, 2023, respectively. The Company invests excess cash in U.S. treasury bills, certificates of deposit or deposit accounts, all with maturities of less than three months. Cash equivalents consisting of U.S. treasury bills were $9.8 million and $12.1 million at June 30, 2024 and December 31, 2023, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company places most of its temporary cash investments in the United States with financial institutions, which from time to time may exceed the Federal Deposit Insurance Corporation limit. The amount at risk at June 30, 2024 and December 31, 2023 was $0.1 million and $1.5 million, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Accounts receivable</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company sells products and services to various companies across several industries in the ordinary course of business. The Company performs ongoing credit evaluations to assess the probability of accounts receivable collection based on a number of factors, including past transaction experience, evaluation of their credit history and review of the invoicing terms of the contract to determine the financial strength of its customers. </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Accounts receivable are presented net of an allowance for credit losses of approximately $36,000 at both June 30, 2024 and December 31, 2023. The allowance is based on prior experience and management's evaluation of the collectability of accounts receivable. Measurement of credit losses requires consideration of historical loss experience, including the need to adjust for changing business conditions, and judgments about the probable effects of relevant observable data, including present economic conditions such as delinquency rates and the financial health of specific customers. Future changes to the estimated allowance for credit losses could be material to our results of operations and financial condition.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"> (Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 3: CONCENTRATION OF CREDIT RISK (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">At June 30, 2024, the accounts receivable balance included amounts from two customers that represented 35.7% and 10.5% of total accounts receivable. As of December 31, 2023, the accounts receivable balance includes amounts from three customers that represented 37.6%, 13.0% and 12.8% of total accounts receivable.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Sales concentration</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Revenue from a single customer in any one period can exceed 10% of our total revenues. During the three months ended June 30, 2024, one customer exceeded 10% of revenues, representing 35.2% of revenues, and during the six months ended June 30, 2024, one customer exceeded 10%, representing 32.8% of revenues.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">During the three months ended June 30, 2023, four customers exceeded 10% of revenues, representing 16.1%, <span id="xdx_90D_eus-gaap--ConcentrationRiskPercentage1_dp_uPure_c20230401__20230630__us-gaap--ConcentrationRiskByBenchmarkAxis__us-gaap--SalesRevenueNetMember__us-gaap--

ConcentrationRiskByTypeAxis__us-gaap--CustomerConcentrationRiskMember__srt--MajorCustomersAxis__custom--TwoCustomersMember_z3lkTzOA3w6" title="Concentration risk, percentage">15.6%, 11.0% and 10.2% of revenues, and during the six months ended June 30, 2023, two customers exceeded 10%, representing 21.0% and 15.8% of revenues.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> 10000000.014000000.0980000001210000010000015000003600036000.3570.1050.3760.1300.1280.3520.3280.1610.1560.1100.1020.2100.158<p id="xdx_803_eus-gaap--RevenueFromContractWithCustomerTextBlock_zweHzGVu4Lm8" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt"> NOTE 4: REVENUE RECOGNITION </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_896_eus-gaap--DisaggregationOfRevenueTableTextBlock_zfD7alOzbnK6" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The following table represents a disaggregation of revenue for the three and six months ended June 30, 2024, and 2023 (in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF DISAGGREGATION OF REVENUE</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_498_20240401__20240630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zGIFXIntdfMe" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_493_20240401__20240630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zBi9HxZpkUBd" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_493_20240401__20240630_ze09F87Sb4ha" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Three months ended June 30, 2024</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_403_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--EnergyMember_zk5ZsMuGNCI1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">239</td><td style="width: 1%; text-align: left"> </td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">12</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">251</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_ztqfMW4n3DVF" style="vertical-align: bottom; background-color: White"> <td>Aerospace</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">2,694</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">179</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">2,873</td><td style="text-align: left"> </td></tr> <tr id="xdx_402_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--IndustrialMember_zgIr5BoaKDxj" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Industrial</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,542</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">300</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,842</td><td style="text-align: left"> </td></tr> <tr id="xdx_405_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--ResearchOneMember_z4Bb4TjrP9Pi" style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt">Research</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">1,174</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">205</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">1,379</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_zk4WuK5HE6kf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-left: 10pt; padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">5,649</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">696</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">6,345</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_492_20230401__20230630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zDVmqkQgQWnc" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49C_20230401__20230630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zvCCszam5Fnl" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_495_20230401__20230630_zwjtKwjiNAS9" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Three months ended June 30, 2023</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--EnergyMember_zDv4CVF6RUv1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">760</td><td style="width: 1%; text-align: left"> </td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">38</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">798</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_zEm2le1lqUcc" style="vertical-align: bottom; background-color: White"> <td>Aerospace</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">604</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">604</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--IndustrialMember_zgbBxFRVuiOa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Industrial</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,085</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">915</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">2,000</td><td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--ResearchOneMember_zjTcOzGEcZGk" style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt">Research</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">1,184</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">483</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">1,667</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_zOif8k4OVvR7" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-left: 10pt; padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">3,029</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">2,040</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">5,069</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 4: REVENUE RECOGNITION (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">

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padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_499_20240101__20240630_zcUlf3g3JI45" style="border-bottom: Black 1.5pt solid; text-align: center; vertical-align: bottom">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Six months ended June 30, 2024</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center; vertical-align: bottom">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center; vertical-align: bottom">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--EnergyMember_z6X5tUr43Mmc" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">239</td><td style="width: 1%; text-align: left"> </td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">30</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">269</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_406_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_zQZ8YoSQ7H4c" style="vertical-align: bottom; background-color: White"> <td>Aerospace</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">4,496</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">494</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">4,990</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--IndustrialMember_zV6j7LPYmeC" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Industrial</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">2,801</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">774</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">3,575</td><td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--ResearchOneMember_zKGevP0kVCHe" style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt">Research</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">2,035</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">398</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">2,433</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_zATaWM3R0ML6" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; padding-left: 10pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">9,571</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">1,696</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">11,267</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49F_20230101__20230630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zodGs10hFpVf" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49B_20230101__20230630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zYPUJogKUY1h" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_496_20230101__20230630_z5jVkl5w5Qw6" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Six months ended June 30, 2023</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--EnergyMember_zxr6zUBtp1bj" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">3,276</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">52</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">3,328</td><td style="width: 1%; text-align: left"> </td> </tr> <tr id="xdx_406_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_zDac1KiJG0Gd" style="vertical-align: bottom; background-color: White"> <td>Aerospace</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">264</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">855</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,119</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--IndustrialMember_zMFDjuVBdWk8" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Industrial</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">4,756</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,127</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">5,883</td><td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--ResearchOneMember_zJTDzbeHnDS8" style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt">Research</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">2,456</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">978</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">3,434</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_zUaTkbPxJJvd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; padding-left: 10pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">10,752</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">3,012</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">13,764</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p id="xdx_8AA_zHNzXbmfG6j7" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The energy market includes customers involved in the manufacture of silicon carbide wafers and batteries. Aerospace market includes customers that manufacture aircraft engines. Industrial end market consists of various end customers in diverse industries. Research market principally represents customers such as universities and other research institutions.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company has unrecognized contract revenue of approximately $21.6 million at June 30, 2024, which it expects to substantially recognize as revenue within the next twelve months based on over time revenue recognition.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Judgment is required to evaluate assumptions including the amount of net contract revenues and the total estimated costs to determine our progress towards contract completion and to calculate the corresponding amount of revenue to recognize.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Changes in estimates for sales of systems may occur for a variety of reasons, including but not limited to (i) build accelerations or delays, (ii) product cost forecast changes, (iii) cost related change orders or add-ons, or (iv) changes in other information used to estimate costs. Changes in estimates may have a material effect on the Company’s condensed consolidated statements of operations.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"> (Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 4: REVENUE RECOGNITION (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Contract assets and liabilities</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_891_ecustom--ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsTableTextBlock_zCslNkyKBjHd" style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Contract assets and contract liabilities

on input method type contracts in progress are summarized as follows as of June 30, 2024 (in thousands):</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"></p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 85%"> <tr style="display: none; vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: normal; text-align: left"> </td><td style="font-style: normal"> </td> <td style="font-style: normal; text-align: left"> </td><td id="xdx_49A_20240630_zOTYbxtgbNjh" style="font-style: normal; text-align: right"> </td><td style="font-style: normal; text-align: left"> </td></tr> <tr id="xdx_406_ecustom--CostsIncurredOnUncompletedContracts_iI_pn3n3_maCAEEOzw4R_zYYEvldsBla5" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 80%; font-style: normal; text-align: left">Costs incurred on contracts in progress</td><td style="width: 2%; font-style: normal"> </td> <td style="width: 1%; font-style: normal; text-align: left">$</td><td style="width: 16%; font-style: normal; text-align: right">11,009</td><td style="width: 1%; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_40A_ecustom--EstimatedEarnings_iI_pn3n3_maCAEEOzw4R_zNqmRMKdY6m8" style="vertical-align: bottom; background-color: White"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Estimated earnings</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">5,609</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_409_ecustom--CostsAndEstimatedEarningsOnUncompletedContracts_iTI_pn3n3_mtCAEEOzw4R_maNCIEOzQmN_zeckFy6skwR4" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: italic">Costs and estimated earnings on uncompleted contracts </td><td style="font-style: normal"> </td> <td style="font-style: normal; text-align: left"> </td><td style="font-style: normal; text-align: right">16,618</td> <td style="font-style: normal; text-align: left"> </td></tr> <tr id="xdx_402_ecustom--BillingsToDate_iNI_pn3n3_di_msNCIEOzQmN_zh5VA71QJPO8" style="vertical-align: bottom; background-color: White"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Billings to date</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(19,589</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr id="xdx_40D_ecustom--NetCostInExcessOfBillings_iTI_pn3n3_mtNCIEOzQmN_zVE9ANMTB0Qe" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: italic; padding-bottom: 1.5pt">Net cost in excess of billings</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(2,971</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="font-style: italic"> </td><td style="font-style: italic"> </td> <td style="font-style: italic; text-align: left"> </td><td style="font-style: italic; text-align: right"> </td> <td style="font-style: italic; text-align: left"> </td></tr> <tr id="xdx_400_ecustom--DeferredRevenuesRelatedToContracts_iI_pn3n3_z2StPbpDkoUf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Deferred revenue related to non-system contracts</td> <td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(573</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr id="xdx_40E_ecustom--ContractLiabilityInExcessOfContractAssets_iI_pn3n3_zKuQqAQvsQfd" style="vertical-align: bottom; background-color: White"> <td style="font-style: italic; padding-bottom: 1.5pt"> Contract liability in excess of contract assets </td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(3,544</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left"><p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Included in accompanying condensed consolidated </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> balance sheet as of June 30, 2024 under the following captions (in thousands):</p></td><td style="font-style: italic"> </td> <td style="font-style: italic; text-align: left"> </td><td style="font-style: italic; text-align: right"> </td><td style="font-style: italic; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--ContractWithCustomerAssetNetCurrent_iI_pn3n3_zAXrTzKyIAdi" style="vertical-align: bottom; background-color: White"> <td style="padding-left: 10pt; font-style: normal; text-align: left; padding-bottom: 2.5pt">Contract assets</td><td style="font-style: normal; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: right">1,554</td><td style="padding-bottom: 2.5pt; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--ContractWithCustomerLiabilityCurrent_iI_pn3n3_zx7bcQWh2K3j" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-left: 10pt; font-style: normal; text-align: left; padding-bottom: 2.5pt">Contract liabilities</td><td style="font-style: normal; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: right">5,098</td><td style="padding-bottom: 2.5pt; font-style: normal; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Of the contract liability balances at December 31, 2023 and 2022 of $4.6 million and $4.1 million, respectively, $2.7 million and $2.6 million was recognized as revenue during the six months ended June 30, 2024 and 2023, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_896_eus-gaap--DisaggregationOfRevenueTableTextBlock_zfD7alOzbnK6" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The following table represents a disaggregation of revenue for the three and six months ended June 30, 2024, and 2023 (in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF DISAGGREGATION OF REVENUE</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_498_20240401__20240630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredOverTimeMember_zGIFXIntdfMe" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_493_20240401__20240630__us-gaap--TimingOfTransferOfGoodOrServiceAxis__us-gaap--TransferredAtPointInTimeMember_zBi9HxZpkUBd" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_493_20240401__20240630_ze09F87Sb4ha" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Three months ended June 30, 2024</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_403_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--EnergyMember_zk5ZsMuGNCI1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">239</td><td style="width: 1%; text-align: left"> </td> <td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">12</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">251</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_ztqfMW4n3DVf" style="vertical-align: bottom; 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padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">5,649</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">696</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">6,345</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; 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<td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2"
style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align:
bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align:
bottom; text-align: center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-
bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-
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<td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">38</td><td style="width: 1%; text-align: left"> </td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">798</td><td style="width: 1%; text-align: left"> </td></tr>
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bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">483</td><td
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style="border-bottom: Black 1.5pt solid; text-align: right">1,667</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--
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left: 10pt; padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td
style="border-bottom: Black 2.5pt double; text-align: right">3,029</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td>
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2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom:
Black 2.5pt double; text-align: right">5,069</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times,
Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New
Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New
Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt">Notes to Condensed
Consolidated Financial Statements</span></p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"><span
style="font-family: Times New Roman, Times, Serif; font-size: 10pt">(Unaudited)</span></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">
<span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top:
0pt; margin-bottom: 0pt"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt">NOTE 4:</span> <span style="font-family: Times New Roman, Times,
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<span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times,
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months ended June 30, 2024</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td
style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-
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style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center; vertical-align:
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2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom:
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bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Over time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td
style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align:
center">Point in time</td><td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; vertical-
align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; text-align: center">Total</td><td style="text-align: center; padding-
bottom: 1.5pt; vertical-align: bottom"> </td></tr> <tr id="xdx_405_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--
ProductOrServiceAxis__custom--EnergyMember_zxr6zUBtp1bj" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Energy</td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">3,276</td><td style="width: 1%; text-align: left"> </td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">52</td><td style="width: 1%; text-align: left"> </td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">3,328</td><td style="width: 1%; text-align: left"> </td>
</tr> <tr id="xdx_406_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--AerospaceMember_zDac1KiJG0Gd"
style="vertical-align: bottom; background-color: White"> <td>Aerospace</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">264</td><td
style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">855</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td style="text-align: right">1,119</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--
RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--IndustrialMember_zMFDjuVBdWk8" style="vertical-align: bottom;
background-color: rgb(204,238,255)"> <td>Industrial</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">4,756</td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,127</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left"> </td><td style="text-align: right">5,883</td><td style="text-align: left"> </td></tr> <tr id="xdx_400_eus-gaap--
RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_hsrt--ProductOrServiceAxis__custom--ResearchOneMember_zJTDzbeHnDS8" style="vertical-align: bottom;
background-color: White"> <td style="padding-bottom: 1.5pt">Research</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-
align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">2,456</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-
bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">978</td><td
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style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">3,434</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerIncludingAssessedTax_pn3n3_zUaTkbPxJJvd" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt; padding-left: 10pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">10,752</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">3,012</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">13,764</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table>
239000120002510002694000179000287300015420003000001842000117400020500013790005649000696000634500076000038000798000604000060400010850009150002000
id="xdx_891_ecustom--ScheduleOfCostAndEstimatedEarningsInExcessOfBillingsTableTextBlock_zCslNkyKBjHd" style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Contract assets and contract liabilities on input method type contracts in progress are summarized as follows as of June 30, 2024 (in thousands):</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF COST AND ESTIMATED EARNINGS IN EXCESS OF BILLINGS</p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"></p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 85%"> <tr style="display: none; vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: normal; text-align: left"> </td><td style="font-style: normal"> </td> <td style="font-style: normal; text-align: left"> </td><td id="xdx_49A_20240630_zOTYbxtgbNjh" style="font-style: normal; text-align: right"> </td><td style="font-style: normal; text-align: left"> </td></tr> <tr id="xdx_406_ecustom--CostsIncurredOnUncompletedContracts_iI_pn3n3_maCAEEOzw4R_zYYEvldsBla5" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 80%; font-style: normal; text-align: left">Costs incurred on contracts in progress</td><td style="width: 2%; font-style: normal"> </td> <td style="width: 1%; font-style: normal; text-align: left">$</td><td style="width: 16%; font-style: normal; text-align: right">11,009</td><td style="width: 1%; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_40A_ecustom--EstimatedEarnings_iI_pn3n3_maCAEEOzw4R_zNqmRMKdY6m8" style="vertical-align: bottom; background-color: White"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Estimated earnings</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">5,609</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_409_ecustom--CostsAndEstimatedEarningsOnUncompletedContracts_iTI_pn3n3_mtCAEEOzw4R_maNCIEOzQmN_zeckFy6skwR4" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: italic">Costs and estimated earnings on uncompleted contracts </td><td style="font-style: normal"> </td> <td style="font-style: normal; text-align: left"> </td><td style="font-style: normal; text-align: right">16,618</td> <td style="font-style: normal; text-align: left"> </td></tr> <tr id="xdx_402_ecustom--BillingsToDate_iNI_pn3n3_di_msNCIEOzQmN_zh5VA71QJPO8" style="vertical-align: bottom; background-color: White"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Billings to date</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(19,589</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr id="xdx_40D_ecustom--NetCostInExcessOfBillings_iTI_pn3n3_mtNCIEOzQmN_zVE9ANMTB0Qe" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: italic; padding-bottom: 1.5pt">Net cost in excess of billings</td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(2,971</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="font-style: italic"> </td><td style="font-style: italic"> </td> <td style="font-style: italic; text-align: left"> </td><td style="font-style: italic; text-align: right"> </td> <td style="font-style: italic; text-align: left"> </td></tr> <tr id="xdx_400_ecustom--DeferredRevenuesRelatedToContracts_iI_pn3n3_z2StPbpDkoUf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="font-style: normal; text-align: left; padding-bottom: 1.5pt">Deferred revenue related to non-system contracts</td> <td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(573</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr id="xdx_40E_ecustom--ContractLiabilityInExcessOfContractAssets_iI_pn3n3_zKuQqAQvsQfd" style="vertical-align: bottom; background-color: White"> <td style="font-style: italic; padding-bottom: 1.5pt"> Contract liability in excess of contract assets </td><td style="font-style: normal; padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 1.5pt solid; font-style: normal; text-align: right">(3,544</td><td style="padding-bottom: 1.5pt; font-style: normal; text-align: left">)</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left"><p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0">Included in accompanying condensed consolidated </p> <p style="font: italic 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> balance sheet as of June 30, 2024 under the following captions (in thousands):</p></td><td style="font-style: italic"> </td> <td style="font-style: italic; text-align: left"> </td><td style="font-style: italic; text-align: right"> </td><td style="font-style: italic; text-align: left"> </td></tr> <tr id="xdx_40D_eus-gaap--ContractWithCustomerAssetNetCurrent_iI_pn3n3_zAXrTzKyIAdi" style="vertical-align: bottom; background-color: White"> <td style="padding-left: 10pt; font-style: normal; text-align: left; padding-bottom: 2.5pt">Contract assets</td><td style="font-style: normal; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: right">1,554</td><td style="padding-bottom: 2.5pt; font-style: normal; text-align: left"> </td></tr> <tr id="xdx_404_eus-gaap--ContractWithCustomerLiabilityCurrent_iI_pn3n3_zx7bcQWh2K3j" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-left: 10pt; font-style: normal; text-align: left; padding-bottom: 2.5pt">Contract liabilities</td><td style="font-style: normal; padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; font-style: normal; text-align: right">5,098</td><td style="padding-bottom: 2.5pt; font-style: normal; text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Of the contract liability balances at December 31, 2023 and 2022 of $4.6 million and $4.1 million, respectively, $2.7 million and $2.6 million was recognized as revenue during the six months ended June 30, 2024 and 2023, respectively.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> 11009000560900016618000019589000-2971000-573000-3544000155400050980004600000410000027000002600000<p id="xdx_80D_eus-gaap--InventoryDisclosureTextBlock_zbmPm3K9fjX8" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 5: INVENTORIES</p> <p id="xdx_891_eus-gaap--ScheduleOfInventoryCurrentTableTextBlock_zJV1jIqLzm2c" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF INVENTORIES</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 85%"> <tr style="vertical-align: bottom"> <td>Inventories consist of: </td><td> </td> <td colspan="2" id="xdx_49D_20240630_z8DrmZ3CJJB4"> </td><td> </td><td> </td> <td colspan="2" id="xdx_492_20231231_zhNdP5OT1t71"> </td> <td> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">June 30, 2024</td><td style="padding-bottom: 1.5pt"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">December 31, 2023</td><td style="padding-bottom: 1.5pt"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td></tr> <tr id="xdx_40B_eus-gaap--InventoryRawMaterials_iI_pn3n3_maINzesC_zJ7O5PnxmFO2" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 60%; text-align: left">Raw materials</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">2,231</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">2,351</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--InventoryWorkInProcess_iI_pn3n3_maINzesC_zR43JxA9PK9b" style="vertical-align: bottom; background-color: White"> <td>Work-in-process</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,612</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,248</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--InventoryFinishedGoods_iI_pn3n3_maINzesC_zwUQgq3yB9vl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left; padding-bottom: 1.5pt">Finished goods</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">815</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">855</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--InventoryNet_iTI_pn3n3_mtINzesC_z8mn08EEccA2" style="vertical-align: bottom; background-color: White"> <td style="padding-left: 10pt; padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">4,658</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">4,454</td><td style="padding-bottom: 2.5pt; text-align: left"> </td> </tr> </table> <p id="xdx_8AF_zPuqRE5F0TTe" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Included in our inventories (raw materials, work-in-process and finished goods) are approximately $1.8 million related to PVT 150 systems that were purchased in anticipation of future orders. In the event that such orders do not materialize, the Company would incur a charge to reduce the carrying value of such inventory to market. Such a charge may be material to the Company's financial position and future results of operations.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p id="xdx_891_eus-gaap--ScheduleOfInventoryCurrentTableTextBlock_zJV1jIqLzm2c" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF INVENTORIES</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 85%"> <tr style="vertical-align: bottom"> <td>Inventories consist of: </td><td> </td> <td colspan="2" id="xdx_49D_20240630_z8DrmZ3CJJB4"> </td><td> </td><td> </td> <td colspan="2" id="xdx_492_20231231_zhNdP5OT1t71"> </td> <td> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">June 30, 2024</td><td style="padding-bottom: 1.5pt"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">December 31, 2023</td><td style="padding-bottom: 1.5pt"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td></tr> <tr id="xdx_40B_eus-gaap--InventoryRawMaterials_iI_pn3n3_maINzesC_zJ7O5PnxmFO2" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 60%; text-align: left">Raw materials</td><td style="width: 2%"> </td> <td

style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">2,231</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 16%; text-align: right">2,351</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40F_eus-gaap--InventoryWorkInProcess_iI_pn3n3_maINzesC_zR43JxA9PK9b" style="vertical-align: bottom; background-color: White"> <td>Work-in-process</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,612</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,248</td><td style="text-align: left"> </td></tr> <tr id="xdx_40B_eus-gaap--InventoryFinishedGoods_iI_pn3n3_maINzesC_zwUQgq3yB9vl" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left; padding-bottom: 1.5pt">Finished goods</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">815</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">855</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_403_eus-gaap--InventoryNet_iTI_pn3n3_mtINzesC_z8mn08EEccA2" style="vertical-align: bottom; background-color: White"> <td style="padding-left: 10pt; padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">4,658</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">4,454</td><td style="padding-bottom: 2.5pt; text-align: left"> </td> </tr> </table> 2231000235100016120001248000815000855000465800044540001800000<p id="xdx_809_eus-gaap--LongTermDebtTextBlock_z1rXFctfSBhj" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 6: LONG-TERM DEBT </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">In September 2022, the Company entered into a loan agreement to fund the acquisition of machinery. The loan amount of $432,000, is payable in 60 equal monthly installments of $8,352 and secured by equipment. The interest rate is 6%.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> 4320006083520.06<p id="xdx_806_eus-gaap--EarningsPerShareTextBlock_zWUEXPnZB5Kl" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 7: EARNINGS PER SHARE</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_891_eus-gaap--ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock_z3ryGvRcxRxb" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> The calculation of basic and diluted weighted average common shares outstanding for the three and six months ended June 30, 2024 and 2023 is as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49F_20240401__20240630_zAGsz1Tws44d" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_496_20230401__20230630_z3J3J4COm9yd" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_495_20240101__20240630_zHTDS8Vor6Z" style="border-bottom: Black 1.5pt solid; 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At June 30, 2023, stock options to purchase 599,500 shares of common stock were outstanding and 297,500 were exercisable.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For the three and six months ended June 30, 2024 and 2023, all stock options were excluded in the computation of diluted earnings per share because their effect was antidilutive.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_891_eus-gaap--ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock_z3ryGvRcxRxb" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> The calculation of basic and diluted weighted average common shares outstanding for the three and six months ended June 30, 2024 and 2023 is as follows:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF BASIC AND DILUTED WEIGHTED AVERAGE COMMON SHARES OUTSTANDING</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 100%"> <tr style="display: none; vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49F_20240401__20240630_zAGsz1Tws44d" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_496_20230401__20230630_z3J3J4COm9yd" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_495_20240101__20240630_zHTDS8Vor6Z" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_497_20230101__20230630_zYgjJFsy87Ga" style="border-bottom: Black 1.5pt

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font-weight: bold; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1.5pt solid; text-align: center; font-weight: bold; vertical-align: bottom"><p style="margin-top: 0; margin-bottom: 0">Three months ended</p> <p style="margin-top: 0; margin-bottom: 0">June 30,</p></td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1.5pt solid; text-align: center; font-weight: bold; vertical-align: bottom"><p style="margin-top: 0; margin-bottom: 0">Six months ended</p> <p style="margin-top: 0; margin-bottom: 0">June 30,</p></td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; 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padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td></tr> <tr id="xdx_40A_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__custom--CostOfRevenueMember_zGagMC2OFMyh" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 40%">Cost of revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 11%; text-align: right">38</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 11%; text-align: right">41</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 11%; text-align: right">76</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 11%; text-align: right">60</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__us-gaap--ResearchAndDevelopmentExpenseMember_zVs557FtyPSb" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Research and development</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">47</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">45</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">94</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">65</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__custom--SellingExpenseMember_z2cEH9jPkqOa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Selling</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">27</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">31</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">54</td><td style="text-align: left"> </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_403_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__us-gaap--GeneralAndAdministrativeExpenseMember_z1dPFRkDFvlh" style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt; text-align: left">General and administrative</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">155</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">145</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">310</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">230</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_405_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_zCP9rXBOk8vf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom: 2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">267</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">262</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">534</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">397</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table> <p id="xdx_8AB_ziJozapKK6x6" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p

style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 8: STOCK-BASED COMPENSATION EXPENSE (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">Stock-based compensation expense for three months ended June 30, 2024 and 2023 included $57,423 and $40,000, respectively, and for the six month periods June 30, 2024 and 2023 included $103,736 and $80,000, respectively, related to restricted stock awards that directors are entitled to receive pursuant to the Director Compensation Plan. Under this plan each of the Company's independent directors is entitled to an Annual Equity Retainer in the amount of $40,000, to be granted on the date of the Company's annual meeting of shareholders.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">For the six months ended June 30, 2024, the Company granted 5,000 stock options, vesting 25% per year over four years, with a ten-year life. The Company determined the weighted average fair value of stock options granted was $3.30 and is based upon weighted average assumptions below.</p> <p id="xdx_893_eus-gaap--ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock_zWEse5CrlMSd" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-collapse: collapse; width: 70%"> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 80%">Stock price</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98E_eus-gaap--SharePrice_iI_pid_c20240630_zdpZjvzZchpf" style="width: 16%; text-align: right" title="Stock price">4.75</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td>Exercise price</td> <td> </td> <td style="text-align: left">$</td><td id="xdx_98E_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExercisePrice_iI_pid_c20240630_zmx81RkYMWR4" style="text-align: right" title="Exercise price">4.75</td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Dividend yield</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">0</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Expected volatility</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">77</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Risk-free interest rate</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">4.12</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Expected life (in years)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">6.00</td><td style="text-align: left"> </td></tr> </table> <p id="xdx_8A7_z5eW4rf3kG3" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_897_eus-gaap--ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock_zOqA3KbVULXf" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The following table summarizes stock options awards through June 30, 2024:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF STOCK OPTIONS AWARDS</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="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: justify"> </td><td> </td><td> </td> <td colspan="2" style="text-align: center">Weighted</td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: center">Stock Option</td><td> </td><td> </td> <td colspan="2" style="text-align: center">Average</td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: center">Awards</td><td> </td><td> </td> <td colspan="2" style="text-align: center">Exercise</td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">(in shares)</td><td style="padding-bottom: 1.5pt"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">Price</td><td style="padding-bottom: 1.5pt"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td> </td> <td colspan="2" style="text-align: center"> </td> <td> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 60%; text-align: justify">Outstanding at January 1, 2024</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber_iSP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_zkM4PW6L0Leh" style="width: 16%; text-align: right" title="Stock option awards outstanding, beginning balance">846,875</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_984_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice_iSP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zbWEuSV6LFTi" style="width: 16%; text-align: right" title="Weighted average exercise price outstanding, beginning balance">8.20</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: justify">Granted</td><td> </td> <td style="text-align: left"> </td><td id="xdx_986_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross_iP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_z6N8fbEZhstk" style="text-align: right" title="Stock option awards, granted">5,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_981_eus-gaap--ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice_iP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zJ3W06X9ojg4" style="text-align: right" title="Weighted average exercise price, granted">4.75</td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: justify; padding-bottom: 1.5pt">Forfeited</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td id="xdx_989_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod_iNP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_di_c20240101__20240630_zfdjSQUOONu7" style="border-bottom: Black 1.5pt solid; text-align: right" title="Stock option awards, forfeited">(13,750</td><td style="padding-bottom: 1.5pt; text-align: left">)</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td id="xdx_983_eus-gaap--ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice_iP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zNkBbAZF0j4f" style="border-bottom: Black 1.5pt solid; text-align: right" title="Weighted average exercise price, forfeited">7.94</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: justify; padding-bottom: 1.5pt">Outstanding at June 30, 2024</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td id="xdx_988_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber_iEP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_zekpal9qZVZ6" style="border-bottom: Black 1.5pt solid; text-align: right" title="Stock option awards outstanding, ending balance">838,125</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left">$</td><td id="xdx_982_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice_iEP1us-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_z0MJpEBho3mc" style="border-bottom: Black 1.5pt solid; text-align: right" title="Weighted average exercise price outstanding, ending balance">8.18</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> </table> <p id="xdx_8A6_zkT5IRtazQpg" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_89B_eus-gaap--ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock_z1tXkMu5YjD5" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The following table summarizes information about the outstanding and exercisable options at June 30, 2024 by ranges of exercise prices:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES</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="text-align: center"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="14" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Options Outstanding</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="10" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Options Exercisable</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Weighted</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td

colspan="2" style="font-weight: bold; text-align: center">Weighted</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td>
<td> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align:
center">Weighted</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td></tr> <tr style="vertical-align:
bottom"> <td style="text-align: center">Exercise</td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td>
<td colspan="2" style="font-weight: bold; text-align: center">Average</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2"
style="font-weight: bold; text-align: center">Average</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td>
<td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align:
center">Average</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td></tr> <tr style="vertical-align: bottom">
<td style="font-weight: bold; text-align: center">Price</td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Number</td>
<td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Remaining</td><td style="font-
weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Exercise</td><td style="font-weight: bold"> </td>
<td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Intrinsic</td><td style="font-weight: bold"> </td><td style="font-weight:
bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Number</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td
colspan="2" style="font-weight: bold; text-align: center">Exercise</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2"
style="font-weight: bold; text-align: center">Intrinsic</td><td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black
1.5pt solid; font-weight: bold; text-align: center"> Range</td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt
solid; font-weight: bold; text-align: center">Outstanding</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom:
1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Contractual</td><td style="padding-bottom: 1.5pt; font-weight:
bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align:
center">Price</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-
bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Value</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-
bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Exercisable</td><td style="padding-bottom: 1.5pt;
font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align:
center">Price</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-
bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Value</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align:
bottom; background-color: rgb(204,238,255)"> <td style="width: 9%; text-align: center">$<span id="xdx_908_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zMH3z0rNhYnl" title="Exercise Price
Range">4.00-<span id="xdx_90C_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_z5bnrlQdTbM3" title="Exercise Price
Range">7.00</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_98A_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfOutstandingOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_ztOr2ewcTpv" style="width: 9%; text-
align: right" title="Number of options outstanding">459,625</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align:
left"> </td><td style="width: 9%; text-align: center"><span id="xdx_907_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2_dtY_c20240101__202
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zrrCMHqxFkG3"
title="Number of options outstanding, weighted average remaining contractual term">7.4</td><td style="width: 1%; text-align: left"> </td><td style="width:
2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_988_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageExercisePriceBeginningBalance1_iI_pid_c2024063
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zVBOizoCNYMc" style="width:
9%; text-align: right" title="Number of options outstanding, weighted average exercise price">4.55</td><td style="width: 1%; text-align: left"> </td><td style="width:
2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_989_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zp2tycKPJ7G9" style="width: 9%;
text-align: right" title="Number of options outstanding, intrinsic value"> -</td><td style="width: 1%; text-align:
left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_988_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfExercisableOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_z5NdDxCSIyjb" style="width: 9%;
text-align: right" title="Number of options exercisable">217,250</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-
align: left">$</td><td id="xdx_989_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeExercisableOptionsWeightedAverageExercisePrice1_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zVlIib1O1vDc" style="width: 9%;
text-align: right" title="Number of options exercisable, weighted average exercise price">4.45</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td>
<td style="width: 1%; text-align: left">$</td><td id="xdx_981_eus-gaap--
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align: right" title="Number of options exercisable, intrinsic value"> -</td><td style="width: 1%; text-align:
left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: center">$<span id="xdx_90B_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zhHB4Qogqsfg" title="Exercise Price
Range">7.01-<span id="xdx_908_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zUB6csfeStph" title="Exercise Price
Range">10.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_983_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfOutstandingOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zkp72xaBpJdf" style="text-align:
right" title="Number of options outstanding">20,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: center">
<span id="xdx_90D_eus-gaap--
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gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zBQFSegCyd3f" title="Number
of options outstanding, weighted average remaining contractual term">3.8</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_989_eus-gaap--
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align: right" title="Number of options outstanding, weighted average exercise price">8.07</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td id="xdx_98A_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zR5kIO1XXp6h" style="text-align:
right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_984_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zv87kl3Bdmu4" style="text-align:
right" title="Number of options exercisable">20,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_98C_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zbpRc37jlGuf" style="text-align:
right" title="Number of options exercisable, weighted average exercise price">8.07</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_980_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zlsdzse4oeG" style="text-align: right"
title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> <tr style="vertical-
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_zpF5H81KBv12" title="Exercise
Price Range">10.01-<span id="xdx_903_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_zXX9otYumrei" title="Exercise
Price Range">13.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_98C_eus-gaap--
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right" title="Number of options outstanding">130,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: center">
<span id="xdx_901_eus-gaap--
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title="Number of options outstanding, weighted average remaining contractual term">3.2</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td id="xdx_98A_eus-gaap--
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gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_z6vYtcOsVOEg" style="text-
align: right" title="Number of options outstanding, weighted average exercise price">10.62</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td id="xdx_989_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_zeu2OllR2wel" style="text-align:
right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_z0OIBPDZWr65" style="text-align:

right" title="Number of options exercisable">122,500</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_982_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_z5IACm2N8By9" style="text-align:
right" title="Number of options exercisable, weighted average exercise price">10.55</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_985_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_z5MYKP6v1my6" style="text-align:
right" title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> <tr
style="vertical-align: bottom; background-color: White"> <td style="text-align: center">$<span id="xdx_90E_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zXoywRXy2Kdh" title="Exercise
price range, lower limit">13.01-<span id="xdx_903_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zoorMJ2TSio5" title="Exercise price
range, upper limit">16.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_984_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zak1ckDvUydj" style="text-align:
right" title="Number of options outstanding">228,500</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: center">
<span id="xdx_90E_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2_dtY_c20240101__202
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_z3JRz8avLEc7" title="Number
of options outstanding, weighted average remaining contractual term">8.7</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_98A_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageExercisePriceBeginningBalance1_iI_pid_c2024063
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zrtD7lS8hiY6" style="text-
align: right" title="Number of options outstanding, weighted average exercise price">14.11</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zjpahhrjV1Jh" style="text-align:
right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_981_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfExercisableOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zkp8wY9vYKri" style="text-align:
right" title="Number of options exercisable">57,125</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_98D_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeExercisableOptionsWeightedAverageExercisePrice1_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zFjmhIj8qZe3" style="text-align:
right" title="Number of options exercisable, weighted average exercise price">14.11</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_983_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zKNGS5DTlwm1" style="text-align:
right" title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> </table> <p
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Times, Serif; font-size: 10pt"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times New Roman, Times,
Serif; font-size: 10pt"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"><span style="font-family:
Times New Roman, Times, Serif; font-size: 10pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif;
text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)</p> <p style="font:
10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt
Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 8:
 STOCK-BASED COMPENSATION EXPENSE (continued)</p> <p style="font: 10pt
Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p
style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">As of
June 30, 2024, there was $<span id="xdx_903_eus-gaap--
EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognized_iI_pn5n6_c20240630__us-gaap--AwardTypeAxis__us-gaap--
EmployeeStockOptionMember_zTfzhH5eTRfj" title="Unrecognized compensation costs">2.0 million of unrecognized compensation costs related to stock options
expected to be recognized over a weighted average period of <span id="xdx_90D_eus-gaap--
EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1_dtY_c20240101__20240630__us-gaap--
AwardTypeAxis__us-gaap--EmployeeStockOptionMember_zk5hHYQDCbEk" title="Unrecognized compensation costs, recoginition period">1.8 years.</p> <p
style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><span style="font-family: Times New Roman, Times, Serif; font-size:
10pt"> </p> <p id="xdx_897_eus-gaap--ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTextBlock_zDo348SAz0r2"
style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><span style="font-family: Times New Roman, Times, Serif; font-size:
10pt"> SCHEDULE OF STOCK BASED COMPENSATION EXPENSE</p> <table cellpadding="0"
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align: center; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2"
id="xdx_497_20240401__20240630_zEO5vg4tgRm3" style="border-bottom: Black 1.5pt solid; text-align: center; font-weight: bold; vertical-align: bottom"><span style="font-
family: Times New Roman, Times, Serif; font-size: 10pt"> 2024</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align:
bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2"
id="xdx_493_20230401__20230630_zITccKMErTMk" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td
style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt;
vertical-align: bottom"> </td> <td colspan="2" id="xdx_49C_20240101__20240630_zqVqObxfu6n" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight:
bold; text-align: center">2024</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-
weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" id="xdx_49B_20230101__20230630_zcn8f0ufdOoa" style="border-bottom: Black 1.5pt
solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align:
bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; padding-bottom: 1.5pt; vertical-align: bottom"> </td><td style="text-align: center;
padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1.5pt solid; text-align: center; font-weight: bold;
vertical-align: bottom"><p style="margin-top: 0; margin-bottom: 0">Three months ended
</p> <p style="margin-top: 0; margin-bottom: 0">June 30,</p></td><td
style="text-align: center; padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; padding-bottom: 1.5pt; font-weight: bold;
vertical-align: bottom"> </td> <td colspan="6" style="border-bottom: Black 1.5pt solid; text-align: center; font-weight: bold; vertical-align: bottom"><p style="margin-top: 0;
margin-bottom: 0">Six months ended</p> <p style="margin-top: 0; margin-
bottom: 0">June 30,</p></td><td style="text-align: center; padding-bottom:
1.5pt; font-weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: center; vertical-align: bottom"> </td><td style="text-
align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center; font-
weight: bold; vertical-align: bottom"> 2024</td><td style="text-align: center;
padding-bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td>
<td colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-
bottom: 1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td
colspan="2" style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2024</td><td style="text-align: center; padding-bottom:
1.5pt; font-weight: bold; vertical-align: bottom"> </td><td style="text-align: center; font-weight: bold; padding-bottom: 1.5pt; vertical-align: bottom"> </td> <td colspan="2"
style="border-bottom: Black 1.5pt solid; vertical-align: bottom; font-weight: bold; text-align: center">2023</td><td style="text-align: center; padding-bottom: 1.5pt; font-
weight: bold; vertical-align: bottom"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td
colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td><td> </td> <td colspan="2"> </td><td> </td></tr> <tr id="xdx_40A_eus-gaap--
AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__custom--CostOfRevenueMember_zGagMC2OFMyh" style="vertical-align: bottom;
background-color: rgb(204,238,255)"> <td style="width: 40%">Cost of revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td
style="width: 11%; text-align: right">38</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td
style="width: 11%; text-align: right">41</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td
style="width: 11%; text-align: right">76</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td
style="width: 11%; text-align: right">60</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_401_eus-gaap--
AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__us-gaap--ResearchAndDevelopmentExpenseMember_zVs557FtyPSb"
style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Research and development</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">47</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">45</td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">94</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left"> </td><td style="text-align: right">65</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--AllocatedShareBasedCompensationExpense_pn3n3_hus-
gaap--IncomeStatementLocationAxis__custom--SellingExpenseMember_z2cEH9jPkqOa" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Selling</td>
<td> </td> <td style="text-align: left"> </td><td style="text-align: right">27</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">31</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">54</td><td style="text-align:
left"> </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_403_eus-gaap--
AllocatedShareBasedCompensationExpense_pn3n3_hus-gaap--IncomeStatementLocationAxis__us-gaap--GeneralAndAdministrativeExpenseMember_z1dPFRkDFvlh"
style="vertical-align: bottom; background-color: White"> <td style="padding-bottom: 1.5pt; text-align: left">General and administrative</td><td style="padding-bottom:
1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">155</td><td
style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td
style="border-bottom: Black 1.5pt solid; text-align: right">145</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td
style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt solid; text-align: right">310</td><td style="padding-bottom: 1.5pt;
text-align: left"> </td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td style="border-bottom: Black 1.5pt
solid; text-align: right">230</td><td style="padding-bottom: 1.5pt; text-align: left"> </td></tr> <tr id="xdx_405_eus-gaap--
AllocatedShareBasedCompensationExpense_pn3n3_zCP9rXBOk8vf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="padding-bottom:
2.5pt">Total</td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt
double; text-align: right">267</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt

double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">262</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td
style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align: left">$</td><td style="border-bottom: Black 2.5pt double; text-align:
right">534</td><td style="padding-bottom: 2.5pt; text-align: left"> </td><td style="padding-bottom: 2.5pt"> </td> <td style="border-bottom: Black 2.5pt double; text-align:
left">$</td><td style="border-bottom: Black 2.5pt double; text-align: right">397</td><td style="padding-bottom: 2.5pt; text-align: left"> </td></tr> </table>
38000410007600060000470004500094000650002700031000540004200015500014500031000023000026700026200053400039700057423400001037368000040000050000.25P
id="xdx_893_eus-gaap--ScheduleOfShareBasedPaymentAwardStockOptionsValuationAssumptionsTableTextBlock_zWEse5CrlMSd" style="font: 10pt Times New Roman, Times,
Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> <span id="xdx_8BD_zbZjmq2pI2O4"
style="display: none">SCHEDULE OF WEIGHTED AVERAGE ASSUMPTIONS</p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times,
Serif; border-collapse: collapse; width: 70%"> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 80%">Stock price</td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98E_eus-gaap--SharePrice_iI_pid_c20240630_zdpZjvzZchpf" style="width: 16%; text-align:
right" title="Stock price">4.75</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td>Exercise price</td>
<td> </td> <td style="text-align: left">$</td><td id="xdx_98E_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExercisePrice_iI_pid_c20240630_zmx81RkYMWR4" style="text-align: right"
title="Exercise price">4.75</td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align:
left">Dividend yield</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"><span id="xdx_903_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedDividendRate_pid_dp_uPure_c20240101__20240630_z1Os7ZemNGHi"
title="Dividend yield">0</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align:
left">Expected volatility</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"><span id="xdx_907_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsExpectedVolatilityRate_pid_dp_uPure_c20240101__20240630_ziefj5ZqANLl"
title="Expected volatility">77</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-
align: left">Risk-free interest rate</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"><span id="xdx_901_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardFairValueAssumptionsRiskFreeInterestRate_pid_dp_uPure_c20240101__20240630_zdXe34cIaaMi"
title="Risk-free interest rate">4.12</td><td style="text-align: left">%</td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align:
left">Expected life (in years)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"><span id="xdx_906_eus-gaap--
SharebasedCompensationArrangementBySharebasedPaymentAwardFairValueAssumptionsExpectedTerm1_dtY_c20240101__20240630_zPiGkgllfomd" title="Expected life (in
years)">6.00</td><td style="text-align: left"> </td></tr> </table> 4.754.7500.770.0412P6Y<p id="xdx_897_eus-gaap--
ScheduleOfShareBasedCompensationStockOptionsActivityTableTextBlock_zOqA3KbVULXf" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-
align: justify">The following table summarizes stock options awards
through June 30, 2024:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><span style="font-family: Times New
Roman, Times, Serif; font-size: 10pt"> SCHEDULE OF STOCK OPTIONS AWARDS</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="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: justify"> </td><td> </td><td> </td> <td colspan="2" style="text-align:
center">Weighted</td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align:
center">Stock Option</td><td> </td><td> </td> <td colspan="2" style="text-align: center">Average</td><td> </td></tr> <tr style="vertical-align: bottom"> <td
style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: center">Awards</td><td> </td><td> </td> <td colspan="2" style="text-align:
center">Exercise</td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align: justify"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2"
style="border-bottom: Black 1.5pt solid; text-align: center">(in shares)</td><td style="padding-bottom: 1.5pt"> </td><td style="padding-bottom: 1.5pt"> </td> <td
colspan="2" style="border-bottom: Black 1.5pt solid; text-align: center">Price</td><td style="padding-bottom: 1.5pt"> </td></tr> <tr style="vertical-align: bottom"> <td
style="text-align: justify"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td> </td> <td colspan="2" style="text-align: center"> </td>
<td> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 60%; text-align: justify">Outstanding at January 1, 2024</td><td
style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_984_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber_iSP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_zkM4PW6L0Leh" style="width: 16%; text-
align: right" title="Stock option awards outstanding, beginning balance">846,875</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td
style="width: 1%; text-align: left"> </td><td id="xdx_984_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice_iSP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zbWEuSV6LFTi"
style="width: 16%; text-align: right" title="Weighted average exercise price outstanding, beginning balance">8.20</td><td style="width: 1%; text-align: left"> </td></tr> <tr
style="vertical-align: bottom; background-color: White"> <td style="text-align: justify">Granted</td><td> </td> <td style="text-align: left"> </td><td id="xdx_986_eus-
gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsGrantsInPeriodGross_iP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_z6N8fbEZhstk" style="text-align: right"
title="Stock option awards, granted">5,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_981_eus-gaap--
ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsGrantsInPeriodWeightedAverageExercisePrice_iP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zJ3W06X9ojg4"
style="text-align: right" title="Weighted average exercise price, granted">4.75</td><td style="text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-
color: rgb(204,238,255)"> <td style="text-align: justify; padding-bottom: 1.5pt">Forfeited</td><td style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black
1.5pt solid; text-align: left"> </td><td id="xdx_989_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod_iNP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_di_c20240101__20240630_zfdjSQUOONu7" style="border-bottom:
Black 1.5pt solid; text-align: right" title="Stock option awards, forfeited">(13,750</td><td style="padding-bottom: 1.5pt; text-align: left">)</td><td style="padding-bottom:
1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td id="xdx_983_eus-gaap--
ShareBasedCompensationArrangementsByShareBasedPaymentAwardOptionsForfeituresInPeriodWeightedAverageExercisePrice_iP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_zNkBbAZF0j4f"
style="border-bottom: Black 1.5pt solid; text-align: right" title="Weighted average exercise price, forfeited">7.94</td><td style="padding-bottom: 1.5pt; text-align:
left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: justify; padding-bottom: 1.5pt">Outstanding at June 30, 2024</td><td
style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left"> </td><td id="xdx_988_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingNumber_iEP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingRollForward_pid_c20240101__20240630_zekpal9qZVZ6" style="border-bottom: Black
1.5pt solid; text-align: right" title="Stock option awards outstanding, ending balance">838,125</td><td style="padding-bottom: 1.5pt; text-align: left"> </td><td
style="padding-bottom: 1.5pt"> </td> <td style="border-bottom: Black 1.5pt solid; text-align: left">$</td><td id="xdx_982_eus-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePrice_iEP1us-gaap--
ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingWeightedAverageExercisePriceRollforward_pid_c20240101__20240630_z0MJpEBho3mc
style="border-bottom: Black 1.5pt solid; text-align: right" title="Weighted average exercise price outstanding, ending balance">8.18</td><td style="padding-bottom: 1.5pt;
text-align: left"> </td></tr> </table> 8468758.2050004.75137507.948381258.18<p id="xdx_89B_eus-gaap--
ScheduleOfShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeTextBlock_z1tXkMu5YjD5" style="font: 10pt Times New Roman, Times,
Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The following table summarizes information about
the outstanding and exercisable options at June 30, 2024 by ranges of exercise prices:</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt
0; text-align: justify"> <span id="xdx_8B4_znInvl4P3337" style="display:
none">SCHEDULE OF OUTSTANDING AND EXERCISABLE OPTIONS RANGES OF EXERCISE PRICES</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="text-align: center"> </td><td style="font-weight:
bold; padding-bottom: 1.5pt"> </td> <td colspan="14" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Options Outstanding</td><td
style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="10" style="border-bottom: Black 1.5pt
solid; font-weight: bold; text-align: center">Options Exercisable</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom">
<td style="text-align: center"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2"
style="font-weight: bold; text-align: center">Weighted</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight:
bold; text-align: center">Weighted</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td> </td> <td
colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Weighted</td>
<td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="text-align:
center">Exercise</td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-
weight: bold; text-align: center">Average</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align:
center">Average</td><td style="font-weight: bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td><td> </td> <td colspan="2" style="text-
align: center"> </td><td> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Average</td><td style="font-weight:
bold"> </td><td> </td> <td colspan="2" style="text-align: center"> </td><td> </td></tr> <tr style="vertical-align: bottom"> <td style="font-weight: bold; text-align:
center">Price</td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Number</td><td style="font-weight: bold"> </td><td
style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Remaining</td><td style="font-weight: bold"> </td><td style="font-weight:
bold"> </td> <td colspan="2" style="font-weight: bold; text-align: center">Exercise</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td
colspan="2" style="font-weight: bold; text-align: center">Intrinsic</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2"
style="font-weight: bold; text-align: center">Number</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight:
bold; text-align: center">Exercise</td><td style="font-weight: bold"> </td><td style="font-weight: bold"> </td> <td colspan="2" style="font-weight: bold; text-align:
center">Intrinsic</td><td style="font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td style="border-bottom: Black 1.5pt solid; font-weight: bold; text-
align: center"> Range</td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-
align: center">Outstanding</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2"
style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Contractual</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-
weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Price</td><td style="padding-
bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight:
bold; text-align: center">Value</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2"
style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Exercisable</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-
weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Price</td><td style="padding-
bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" style="border-bottom: Black 1.5pt solid; font-weight:
bold; text-align: center">Value</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color:
rgb(204,238,255)"> <td style="width: 9%; text-align: center">$<span id="xdx_908_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zMH3z0rNhYnl" title="Exercise Price
Range">4.00-<span id="xdx_90C_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--

ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_z5bnrlQdTbM3" title="Exercise Price
Range">7.00</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_98A_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfOutstandingOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_ztOr2ewcTpv" style="width: 9%; text-
align: right" title="Number of options outstanding">459,625</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align:
left"> </td><td style="width: 9%; text-align: center"><span id="xdx_907_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2_dtY_c20240101__202
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zrrCMHqxFkG3"
title="Number of options outstanding, weighted average remaining contractual term">7.4</td><td style="width: 1%; text-align: left"> </td><td style="width:
2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_988_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageExercisePriceBeginningBalance1_iI_pid_c20240630
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zVBOizoCNYMc" style="width:
9%; text-align: right" title="Number of options outstanding, weighted average exercise price">4.55</td><td style="width: 1%; text-align: left"> </td><td style="width:
2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_989_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_zp2tycKPJ7G9" style="width: 9%;
text-align: right" title="Number of options outstanding, intrinsic value"> -</td><td style="width: 1%; text-align:
left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left"> </td><td id="xdx_988_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfExercisableOptions_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeOneMember_z5NdDxCSIyjb" style="width: 9%;
text-align: right" title="Number of options exercisable">217,250</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-
align: left">$</td><td id="xdx_989_eus-gaap--
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text-align: right" title="Number of options exercisable, weighted average exercise price">4.45</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td>
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align: right" title="Number of options exercisable, intrinsic value"> -</td><td style="width: 1%; text-align:
left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td style="text-align: center">$<span id="xdx_90B_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zhHB4Qogqsfg" title="Exercise Price
Range">7.01-<span id="xdx_908_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zUB6csfeStph" title="Exercise Price
Range">10.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_983_eus-gaap--
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<span id="xdx_90D_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2_dtY_c20240101__202
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zBQFSegCyd3f" title="Number
of options outstanding, weighted average remaining contractual term">3.8</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
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left">$</td><td id="xdx_98A_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zR5kIO1XXp6h" style="text-align:
right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_984_eus-gaap--
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right" title="Number of options exercisable">20,000</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_98C_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeExercisableOptionsWeightedAverageExercisePrice1_iI_pid_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zbpRc37jlGuf" style="text-align:
right" title="Number of options exercisable, weighted average exercise price">8.07</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
id="xdx_980_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeTwoMember_zlsdzse4oeG" style="text-align: right"
title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> <tr style="vertical-
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Price Range">10.01-<span id="xdx_903_eus-gaap--
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ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_zXX9otYumrei" title="Exercise
Price Range">13.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_98C_eus-gaap--
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<span id="xdx_901_eus-gaap--
SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageRemainingContractualTerm2_dtY_c20240101__202
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeThreeMember_zXB1GBTi1dyh"
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right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_983_eus-gaap--
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right" title="Number of options exercisable, weighted average exercise price">10.55</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
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right" title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> <tr
style="vertical-align: bottom; background-color: White"> <td style="text-align: center">$<span id="xdx_90E_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeLowerRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zXoywRXy2Kdh" title="Exercise
price range, lower limit">13.01-<span id="xdx_903_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeUpperRangeLimit_pid_c20240101__20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zoorMJ2TSio5" title="Exercise price
range, upper limit">16.00</td><td> </td> <td style="text-align: left"> </td><td id="xdx_984_eus-gaap--
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gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_z3JRz8avLEc7" title="Number
of options outstanding, weighted average remaining contractual term">8.7</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
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SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeOutstandingOptionsWeightedAverageExercisePriceBeginningBalance1_iI_pid_c20240630
gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zrtD7lS8hiY6" style="text-
align: right" title="Number of options outstanding, weighted average exercise price">14.11</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td id="xdx_987_eus-gaap--ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsOutstandingIntrinsicValue_iI_c20240630__us-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zjpahhrjV1Jh" style="text-align:
right" title="Number of options outstanding, intrinsic value">-</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_981_eus-gaap--
ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeNumberOfExercisableOptions_iI_pid_c20240630__us-gaap--

ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zkp8wY9vYKri" style="text-align: right" title="Number of options exercisable">57,125</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_98D_eus-gaap--SharebasedCompensationSharesAuthorizedUnderStockOptionPlansExercisePriceRangeExercisableOptionsWeightedAverageExercisePrice1_iI_pid_c20240630__us-gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zFjmhIj8qZe3" style="text-align: right" title="Number of options exercisable, weighted average exercise price">14.11</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td id="xdx_983_eus-gaap--SharebasedCompensationArrangementBySharebasedPaymentAwardOptionsExercisableIntrinsicValue1_iI_c20240630__us-gaap--ShareBasedCompensationSharesAuthorizedUnderStockOptionPlansByExercisePriceRangeAxis__custom--ExercisePriceRangeFourMember_zKNGS5DTlwm1" style="text-align: right" title="Number of options exercisable, intrinsic value">-</td><td style="text-align: left"> </td></tr> </table>
4.007.00459625P7Y4M24D4.552172504.457.0110.0020000P3Y9M18D8.07200008.0710.0113.00130000P3Y2M12D10.6212250010.5513.0116.00228500P8Y8M12D14.11571251
id="xdx_80F_eus-gaap--IncomeTaxDisclosureTextBlock_zGWbgdwtGWpi" style="font: 10pt Times New Roman, Times, Serif; text-align: justify; margin-top: 0pt; margin-bottom: 0pt">NOTE 9: INCOME TAXES </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">As of June 30, 2024 and December 31, 2023, the Company has provided a full valuation allowance against its net deferred tax assets. This was based on management’s assessment, including the last four years of operating losses, that it is more likely than not that the net deferred tax assets may not be realized in the future. Management continues to evaluate for potential utilization of the Company’s net deferred tax asset, which has been fully reserved for, on a quarterly basis, reviewing our economic models, including projections of future operating results.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p id="xdx_808_eus-gaap--SegmentReportingDisclosureTextBlock_z5PLxhGosQr1" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"> NOTE 10:   SEGMENT REPORTING</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The Company operates through three segments: CVD Equipment, Stainless Design Concepts (“SDC”) and CVD Materials. The CVD Equipment segment manufactures and sells chemical vapor deposition, physical vapor transport and similar equipment. The SDC segment designs and manufactures ultra-high purity gas and chemical delivery control systems. The CVD Materials segment provides material coatings for aerospace, medical, electronic and other applications and is not considered a core business of the Company. The Company evaluates performance based on several factors, of which the primary financial measure is income (loss) before taxes.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The Company’s corporate administration activities are reported in the “Corporate” column. These activities primarily include expenses related to certain corporate officers and support staff, expenses related to the Company’s Board of Directors, stock option expense for options and shares of restricted stock granted to corporate administration employees and board members, certain consulting expenses, investor and shareholder relations activities, and all of the Company’s legal, auditing and professional fees. </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">Elimination entries included in the “Eliminations” column represent intersegment revenues and cost of revenues that are eliminated in consolidation. Intersegment sales by the SDC segment to the CVD Equipment segment for the three months ended June 30, 2024 and 2023 were $132,000 and $138,000, respectively and $147,000 and $266,000 for the six months ended June 30, 2024 and 2023, respectively. There were no intersegment sales by the CVD Equipment segment to the SDC segment during the three and six months ended June 30, 2024. Intersegment sales by the CVD Equipment segment to the SDC segment for the three months and six months ended June 30, 2023 were $64,000. </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited) </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 10: SEGMENT REPORTING (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"> </p> <p id="xdx_893_eus-gaap--ScheduleOfSegmentReportingInformationBySegmentTextBlock_znIEnOO5dks6" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The following table presents certain information regarding the Company’s segments as of and for the three months ended June 30, 2024 and 2023 (in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF SEGMENTS</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">2024</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"> </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="text-align: center"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_491_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_znhe6oGGTZ9i" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">CVD
 Equipment</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49F_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_z8K4FX0C0nJ9" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_499_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zwbsjUywAifk" style="border-bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">CVD</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49D_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_z1oo4m6LYeFh" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_499_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zqNjmVak6Jfh" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49A_20240401__20240630_zV3i7QJZLZej" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Assets</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_989_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zBbLtIenodzb" style="width: 9%; text-align: right" title="Assets">29,368</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98C_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_zWJNsvne1AHa" style="width: 9%; text-align: right" title="Assets">4,310</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_985_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zTrAyqr3ObJh" style="width: 9%; text-align: right" title="Assets">222</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_988_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zPleJYJuvNlk" style="width: 9%; text-align: right" title="Assets">(55</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_982_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zvcime8SIrJ2" style="width: 9%; text-align: right" title="Assets">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98B_eus-gaap--Assets_iI_pn3n3_c20240630_zbTYGkhx7C5" style="width: 9%; text-align: right" title="Assets">33,845</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td> <td style="text-align: right"> </td><td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_z1y2E5bywFDb" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Revenue</td> <td> </td> <td style="text-align: left">$</td><td style="text-align: right">4,107</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">2,315</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">55</td><td style="text-

```
align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">(132</td><td style="text-align: left">)</td><td> </td> <td style="text-align:
left">$</td><td style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0917">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td style="text-align: right">6,345</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_zw9K4Qu5OtQ1"
style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(729</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">714</td><td style="text-
align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(45</td><td style="text-align: left">)</td><td> </td> <td style="text-align:
left"> </td><td style="text-align: right">(8</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(830</td><td
style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(898</td><td style="text-align: left">)</td></tr> <tr
id="xdx_402_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_zhackqZhUKn8" style="vertical-align:
bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align:
right">(743</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">714</td><td style="text-align: left"> </td>
<td> </td> <td style="text-align: left"> </td><td style="text-align: right">(45</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(8</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(679</td><td style="text-align:
left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(761</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--
DepreciationAndAmortization_pn3n3_zE9Hpqfb5Zha" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Depreciation and
amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">141</td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td style="text-align: right">13</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span
style="-sec-ix-hidden: xdx2ixbrl0936">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span
style="-sec-ix-hidden: xdx2ixbrl0937">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span
style="-sec-ix-hidden: xdx2ixbrl0938">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">154</td>
<td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zIQ4JYrmCUMb" style="vertical-align: bottom;
background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant &amp; equipment</td><td> </td> <td style="text-align: left">$</td><td
style="text-align: right">101</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">4</td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0943">-</span></td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0944">-</span></td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0945">-</span></td><td style="text-align:
left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">105</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times
New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New
Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"><span style="font-family: Times New Roman, Times, Serif; font-size: 10pt"><b><span style="text-decoration:
underline">2023</span></b></span></p> <p style="margin: 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; border-
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colspan="2" id="xdx_49C_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--
CVDEquipmentMember_zUXyUNDjBlba" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center"><p style="margin-top: 0; margin-bottom: 0"><span
style="font-family: Times New Roman, Times, Serif; font-size: 10pt"><b>CVD </b></span></p> <p style="margin-top: 0; margin-bottom: 0"><span style="font-family: Times
New Roman, Times, Serif; font-size: 10pt"><b>Equipment</b></span></p></td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold;
padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_494_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--
StatementBusinessSegmentsAxis__custom--SDCMember_zV49mW1JQ8Mf" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td
style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20230401__20230630__srt--
ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zqfWRCmsAc3k" style="border-
bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center"><span style="font-family: Times
New Roman, Times, Serif; font-size: 10pt"><b>CVD</b></span></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center"><span
style="font-family: Times New Roman, Times, Serif; font-size: 10pt"><b>Materials</b></span></p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight:
bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49B_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--
IntersegmentEliminationMember_zbCjHVOgISFl" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom:
1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20230401__20230630__srt--
ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zmkAvkcxC6d3" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align:
center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2"
id="xdx_49C_20230401__20230630_z6Pimd93PMf7" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-
bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Assets</td><td style="width:
2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98D_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--
OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zZ50dqoKrELi" style="width: 9%; text-align: right"
title="Assets">32,139</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_983_eus-
gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--
SDCMember_z9YXCJYqyRx7" style="width: 9%; text-align: right" title="Assets">4,189</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td
style="width: 1%; text-align: left">$</td><td id="xdx_986_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-
gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zzdLGlpS3PKk" style="width: 9%; text-align: right" title="Assets">483</td><td style="width: 1%;
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ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zI5UbVB5nYH7" style="width: 9%; text-align: right" title="Assets">(28</td><td style="width: 1%; text-
align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98D_eus-gaap--Assets_iI_pn3n3_c20230630__srt--
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xdx2ixbrl0956">-</span></td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_980_eus-
gaap--Assets_iI_pn3n3_c20230630_zaurSgEXZIZg" style="width: 9%; text-align: right" title="Assets">36,783</td><td style="width: 1%; text-align: left"> </td></tr> <tr
style="vertical-align: bottom; background-color: White"> <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 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_407_eus-gaap--
RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_zLIIFHMVyi77" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Revenue</td>
<td> </td> <td style="text-align: left">$</td><td style="text-align: right">3,134</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
style="text-align: right">1,795</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">342</td><td style="text-
align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">(202</td><td style="text-align: left">)</td><td> </td> <td style="text-align:
left">$</td><td style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0964">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align:
left">$</td><td style="text-align: right">5,069</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_zxEQFn6mn3vd"
style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(445</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">363</td><td style="text-
align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_984_eus-gaap--OperatingIncomeLoss_pn3n3_c20230401__20230630__srt--
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align: right" title="Operating (loss) income">*(224)</td><td style="text-align: left"></td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">
(28</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(898</td><td style="text-align: left">)</td><td> </td>
<td style="text-align: left"> </td><td style="text-align: right">(1,232</td><td style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--
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rgb(204,238,255)"> <td style="text-align: left">Pretax (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(445</td><td
style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">364</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td id="xdx_984_eus-gaap--
IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_c20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--
OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zyJTTjCwz01e" style="text-align: right" title="Pretax (loss)
income">*(203)</td><td style="text-align: left"></td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td>
<td> </td> <td style="text-align: left"> </td><td style="text-align: right">(791</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(1,103</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_z3m324z98zh9" style="vertical-
align: bottom; background-color: White"> <td style="text-align: left">Depreciation and amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align:
right">136</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">12</td><td style="text-align: left"> </td>
<td> </td> <td style="text-align: left">$</td><td style="text-align: right">79</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0988">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
style="text-align: right"><span style="-sec-ix-hidden: xdx2ixbrl0989">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td
style="text-align: right">227</td><td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zU6aTgPI5C1h"
style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant &amp; equipment</td><td> </td> <td
style="text-align: left">$</td><td style="text-align: right">78</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align:
right"><span style="-sec-ix-hidden: xdx2ixbrl0993">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align:
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right"><span style="-sec-ix-hidden: xdx2ixbrl0995">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align:
right"><span style="-sec-ix-hidden: xdx2ixbrl0996">-</span></td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align:
right">78</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><span
style="font-family: Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif;
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<span style="font-family: Times New Roman, Times, Serif; font-size: 10pt">*</span></td><td style="width: 5pt"></td><td style="text-align: justify"><span
id="xdx_F19_zktNMB29tYs7" style="font-family: Times New Roman, Times, Serif; font-size: 10pt">Includes loss on sale of Tantaline of $<span
class="xdx_phnt_RGlzY2xvc3VyZSAtIFNDSEVEVUxFIE9GIFNFR01FTlRTIChEZXRhaWxzKSAoUGFyZW50aGV0aWNhbCkA" id="xdx_90E_eus-gaap--
GainLossOnDispositionOfAssets1_pn5n6_c20230401__20230630__us-gaap--RelatedPartyTransactionsByRelatedPartyAxis__custom--TantalineSubsidiaryMember_z8rt2ZjsKUbh"
title="Loss on sale of assets">0.2</span> million and impairment charge related to MesoScribe fixed assets of $<span
class="xdx_phnt_RGlzY2xvc3VyZSAtIFNDSEVEVUxFIE9GIFNFR01FTlRTIChEZXRhaWxzKSAoUGFyZW50aGV0aWNhbCkA" id="xdx_907_eus-gaap--
AssetImpairmentCharges_pn5n6_c20230401__20230630__srt--ConsolidatedEntitiesAxis__custom--MesoScribeTechnologiesIncMember_zMbwGk2eUr1d" title="Asset
impairment charges">0.1</span> million.</span></td> </tr></table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family:
Times New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times
New Roman, Times, Serif; font-size: 10pt"> </span></p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">
```

Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times
New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited)
</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times New Roman, Times, Serif; font-size:
10pt"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"><span style="font-family: Times New Roman, Times, Serif;
font-size: 10pt">NOTE 10: SEGMENT REPORTING (continued)</p> <p
style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p
style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white"><span style="font-family: Times New Roman, Times,
Serif; font-size: 10pt">The following table presents certain information regarding the Company’s segments as of and for the six months ended June 30, 2024 and 2023 (in
thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"><span style="font-family: Times New Roman, Times, Serif; font-size:
10pt"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"><span style="font-family: Times New Roman, Times, Serif;
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OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zoUsE8AK994h" style="border-bottom: Black 1.5pt solid; font-
weight: bold; text-align: center">CVD
 Equipment</td><td style="padding-
bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20240101__20240630__srt--
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Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td
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Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td
style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49F_20240101__20240630__srt--
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center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2"
id="xdx_493_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zB9sOrvAI6tk" style="border-bottom: Black 1.5pt solid; font-
weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td
colspan="2" id="xdx_496_20240101__20240630_z8glp6CQirFe" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td
style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2" style="text-align: right"> </td>
<td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td
colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align:
right"> </td><td> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_z5v08uXHaSB1" style="vertical-align: bottom;
background-color: rgb(204,238,255)"> <td style="width: 22%">Revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
9%; text-align: right">7,054</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
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9%; text-align: right">114</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%;
text-align: right">(147</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%;
text-align: right">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width:
1%; text-align: left">$</td><td style="width: 9%; text-align: right">11,267</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--
OperatingIncomeLoss_pn3n3_z7GhmD99osTk" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td>
<td style="text-align: left"> </td><td style="text-align: right">(2,173</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-
align: right">1,346</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(71</td><td style="text-align: left">)
</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">10</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(1,638</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,526</td><td
style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--
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Income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,188</td><td
style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,346</td><td style="text-align: left"> </td><td> </td> <td
style="text-align: left"> </td><td style="text-align: right">(71</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align:
right">10</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,330</td><td style="text-align: left">)</td>
<td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,233</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--
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left">$</td><td style="text-align: right">24</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">307</td>
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<td style="text-align: right">178</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">4</td><td style="text-
align: left"> </td><td> </td> <td style="text-align: left">$</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">$</td><td style="text-align: right">182</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt
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 Equipment</td><td style="padding-bottom:
1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_492_20230101__20230630__srt--
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Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td
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Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td
style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_496_20230101__20230630__srt--
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center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2"
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<td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td
colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align:
right"> </td><td> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_zYlGpoeJtaU8" style="vertical-align: bottom;
background-color: rgb(204,238,255)"> <td style="width: 22%">Revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
9%; text-align: right">8,979</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
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9%; text-align: right">1,009</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
9%; text-align: right">(331</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width:
9%; text-align: right">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td
style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">13,764</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--
OperatingIncomeLoss_pn3n3_zQm13DVfFEHl" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td>
<td style="text-align: left"> </td><td style="text-align: right">(267</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-
align: right">994</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_98B_eus-gaap--
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-CVDMaterialsMember_fKCop_zSyO2aHUvwwh" style="text-align: right" title="Operating (loss) income">(143</td><td style="text-align: left">)*</td><td> </td> <td
style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align:
right">(1,976</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,420</td><td style="text-align: left">)
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style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss)
Income</td><td> </td> <td style="text-align:
left"> </td><td style="text-align: right">(265</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">996</td><td
style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_980_eus-gaap--
IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_c20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--
OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zFv13jYpJYI9" style="text-align: right" title="Pretax (loss)
income">(95</td><td style="text-align: left">)*</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td>
<td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1750</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td
style="text-align: right">(1,142</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_ztcrcwWPkJtk" style="vertical-
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right">267</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">24</td><td style="text-align: left"> </td>
<td> </td> <td style="text-align: left">$</td><td style="text-align: right">101</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">$</td><td style="text-align: right">392</td><td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zSr8dquP1D6c" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant & equipment</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">215</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">$</td><td style="text-align: right">-</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">225</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 6pt; width: 100%"><tr style="vertical-align: top; text-align: justify"> <td style="width: 15pt; text-align: right">*</td><td style="width: 5pt"></td><td style="text-align: justify">Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million.</td> </tr></table> <p id="xdx_8A7_zz40q8EAOFhb" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> 3-132000-138000-147000-266000006400064000<p id="xdx_893_eus-gaap--ScheduleOfSegmentReportingInformationBySegmentTextBlock_znIEnOO5dks6" style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The following table presents certain information regarding the Company's segments as of and for the three months ended June 30, 2024 and 2023 (in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> SCHEDULE OF SEGMENTS</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">2024</p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt"> </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="text-align: center"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_491_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_znhe6oGGTZ9i" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">CVD
 Equipment</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49F_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_z8K4FX0C0nJ9" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_499_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zwbsjUywAifk" style="border-bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">CVD</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49D_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_z1oo4m6LYeFh" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_499_20240401__20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zqNjmVak6Jfh" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49A_20240401__20240630_zV3i7QJZLZej" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Assets</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_989_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zBbLtIenodzb" style="width: 9%; text-align: right" title="Assets">29,368</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98C_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_zWJNsvne1AHa" style="width: 9%; text-align: right" title="Assets">4,310</td> <td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_985_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zTrAyqr3ObJh" style="width: 9%; text-align: right" title="Assets">222</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_988_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zPleJYJuvNlk" style="width: 9%; text-align: right" title="Assets">(55</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_982_eus-gaap--Assets_iI_pn3n3_c20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zvcime8SIrJ2" style="width: 9%; text-align: right" title="Assets">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98B_eus-gaap--Assets_iI_pn3n3_c20240630_zbTYGkhx7C5" style="width: 9%; text-align: right" title="Assets">33,845</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <td> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right"> </td><td style="text-align: left"> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_z1y2E5bywFDb" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Revenue</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">4,107</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">2,315</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">55</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">(132</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left">$</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">6,345</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_zw9K4Qu5OtQ1" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(729</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">714</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(45</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(8</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(830</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(898</td><td style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_zhackqZhUKn8" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(743</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">714</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(45</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(8</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(679</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(761</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_zE9Hpqfb5Zha" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Depreciation and amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">141</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">13</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">$</td><td style="text-align: right">154</td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zIQ4JYrmCUMb" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant & equipment</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">101</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">4</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">105</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">2023</p> <p style="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="text-align: center"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49C_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zUXyUNDjBlba" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center"><p style="margin-top: 0; margin-bottom: 0">CVD </p> <p style="margin-top: 0; margin-bottom: 0">Equipment</p></td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_494_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_zV49mW1JQ8Mf" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zqfWRCmsAc3k" style="border-bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">CVD</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49B_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zbCjHVOgISFl" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zmkAvkcxC6d3" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49C_20230401__20230630_z6Pimd93PMf7" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-

bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Assets</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98D_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zZ50dqoKrELi" style="width: 9%; text-align: right" title="Assets">32,139</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_983_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_z9YXCJYqyRx7" style="width: 9%; text-align: right" title="Assets">4,189</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_986_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zzdLGlpS3PKk" style="width: 9%; text-align: right" title="Assets">483</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_989_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zI5UbVB5nYH7" style="width: 9%; text-align: right" title="Assets">(28</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_98D_eus-gaap--Assets_iI_pn3n3_c20230630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zH7iXjAHuc9h" style="width: 9%; text-align: right" title="Assets">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td id="xdx_980_eus-gaap--Assets_iI_pn3n3_c20230630_zaurSgEXZIZg" style="width: 9%; text-align: right" title="Assets">36,783</td><td style="width: 1%; text-align: left"> </td></tr> <tr style="vertical-align: bottom; background-color: White"> <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 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_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_zLIIFHMVyi77" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td>Revenue</td> <td> </td> <td style="text-align: left">$</td><td style="text-align: right">3,134</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">1,795</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">342</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">(202</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">5,069</td><td style="text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_zxEQFn6mn3vd" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(445</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">363</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_984_eus-gaap--OperatingIncomeLoss_pn3n3_c20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zx9r6SU7Zsr5" style="text-align: right" title="Operating (loss) income">*(224)</td><td style="text-align: left"></td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(898</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,232</td><td style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_zjLeD8Vyyb34" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(445</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">364</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_984_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_c20230401__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zyJTTjCwz01e" style="text-align: right" title="Pretax (loss) income">*(203)</td><td style="text-align: left"></td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td><td style="text-align: right">(791</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,103</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_z3m324z98zh9" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Depreciation and amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">136</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">12</td><td style="text-align: left"> </td> <td> </td> <td style="text-align: left">$</td><td style="text-align: right">79</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">227</td><td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zU6aTgPI5C1h" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant & equipment</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">78</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">$</td><td style="text-align: right">-</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">78</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 6pt; width: 100%"><tr style="vertical-align: top; text-align: justify"> <td id="xdx_F05_zTVQt12fhr6i" style="width: 15pt; text-align: right"> *</td><td style="width: 5pt"></td><td style="text-align: justify">Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million.</td> </tr></table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt"> Notes to Condensed Consolidated Financial Statements</p> <p style="font: 10pt Times New Roman, Times, Serif; text-align: center; margin-top: 0pt; margin-bottom: 0pt">(Unaudited) </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 10: SEGMENT REPORTING (continued)</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify; background-color: white">The following table presents certain information regarding the Company's segments as of and for the six months ended June 30, 2024 and 2023 (in thousands):</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">2024</p> <p style="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="text-align: center"> </td> <td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49E_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zoUsE8AK994h" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">CVD
 Equipment</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_z8bvBMlM7hQe" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_495_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_zwRS9ufCJCn1" style="border-bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">CVD</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49F_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_z2uF5Ezmi8o2" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_493_20240101__20240630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zB9sOrvAI6tk" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_496_20240101__20240630_z8glp6CQirFe" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2" style="text-align: right"> </td> <td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_z5v08uXHaSB1" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">7,054</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">4,246</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">114</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">(147</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">11,267</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_z7GhmD99osTk" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,173</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,346</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(71</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">(1,638</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,526</td><td style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_zi2FrBxTrBij" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss)
Income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,188</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">1,346</td><td style="text-align: left"> </td><td> </td> <td

style="text-align: left"> </td><td style="text-align: right">(71</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">(1,330</td><td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td><td style="text-align: right">(2,233</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_zspqGAQNTPTd" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Depreciation and amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">283</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">24</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">307</td> <td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zT0IYyRsrSr3" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant & equipment
</td><td> </td> <td style="text-align: left">$</td> <td style="text-align: right">178</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">4</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">182</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">2023</p> <p style="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="text-align: center"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49C_20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDEquipmentMember_zeNd7Pf9fxz4" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">CVD
 Equipment</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_492_20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--SDCMember_zPmqeTXiT57f" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">SDC</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49A_20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_ziDu13jSah4f" style="border-bottom: Black 1.5pt solid; text-align: center"><p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">CVD</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: center">Materials</p></td><td style="padding-bottom: 1.5pt"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_496_20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--IntersegmentEliminationMember_zCyI72fnli05" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Eliminations</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_494_20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--CorporateNonSegmentMember_zDQey3bRdr2c" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Corporate</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td><td style="font-weight: bold; padding-bottom: 1.5pt"> </td> <td colspan="2" id="xdx_49B_20230101__20230630_zC1vOeM16di4" style="border-bottom: Black 1.5pt solid; font-weight: bold; text-align: center">Consolidated</td><td style="padding-bottom: 1.5pt; font-weight: bold"> </td></tr> <tr style="vertical-align: bottom"> <td> </td><td> </td> <td colspan="2" style="text-align: right"> </td> <td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td><td> </td> <td colspan="2" style="text-align: right"> </td><td> </td></tr> <tr id="xdx_407_eus-gaap--RevenueFromContractWithCustomerExcludingAssessedTax_pn3n3_zYlGpoeJtaU8" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="width: 22%">Revenue</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">8,979</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">4,107</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">1,009</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">(331</td><td style="width: 1%; text-align: left">)</td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">-</td><td style="width: 1%; text-align: left"> </td><td style="width: 2%"> </td> <td style="width: 1%; text-align: left">$</td><td style="width: 9%; text-align: right">13,764</td><td style="width: 1%; text-align: left"> </td></tr> <tr id="xdx_40E_eus-gaap--OperatingIncomeLoss_pn3n3_zQm13DVfFEHl" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Operating (loss) income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(267</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">994</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_98B_eus-gaap--OperatingIncomeLoss_pn3n3_c20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zSyO2aHUvwwh" style="text-align: right" title="Operating (loss) income">(143</td><td style="text-align: left">)*</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,976</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,420</td><td style="text-align: left">)</td></tr> <tr id="xdx_402_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_zXoDQBfhfTgf" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Pretax (loss)
Income</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(265</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">996</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left"> </td><td id="xdx_980_eus-gaap--IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest_pn3n3_c20230101__20230630__srt--ConsolidationItemsAxis__us-gaap--OperatingSegmentsMember__us-gaap--StatementBusinessSegmentsAxis__custom--CVDMaterialsMember_fKCop_zFv13jYpJYI9" style="text-align: right" title="Pretax (loss) income">(95</td><td style="text-align: left">)*</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(28</td><td style="text-align: left">)</td> <td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1750</td><td style="text-align: left">)</td><td> </td> <td style="text-align: left"> </td><td style="text-align: right">(1,142</td><td style="text-align: left">)</td></tr> <tr id="xdx_406_eus-gaap--DepreciationAndAmortization_pn3n3_ztcrcwWPkJtk" style="vertical-align: bottom; background-color: White"> <td style="text-align: left">Depreciation and amortization</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">267</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">24</td><td style="text-align: left"> </td> <td> </td> <td style="text-align: left">$</td><td style="text-align: right">101</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">392</td><td style="text-align: left"> </td></tr> <tr id="xdx_409_eus-gaap--SegmentExpenditureAdditionToLongLivedAssets_pn3n3_zSr8dquP1D6c" style="vertical-align: bottom; background-color: rgb(204,238,255)"> <td style="text-align: left">Purchase of property, plant & equipment</td><td> </td> <td style="text-align: left">$</td><td style="text-align: right">215</td><td style="text-align: left"> </td><td> </td> <td style="text-align: left">$</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">-</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">225</td><td style="text-align: left"> </td></tr> </table> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0"> </p> <table cellpadding="0" cellspacing="0" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0; margin-bottom: 6pt; width: 100%"><tr style="vertical-align: top; text-align: justify"> <td style="width: 15pt; text-align: right">* </td><td style="width: 5pt"></td><td style="text-align: justify">Includes loss on sale of Tantaline of $0.2 million and impairment charge related to MesoScribe fixed assets of $0.1 million.</td> </tr></table> 29368000431000022200O-5500033845000410700023150005500O-1320006345000-729000714000-45000-8000-830000-898000-743000714000-45000-8000-679000-761000141000130001540001010004000105000321390004189000483000-2800036783000313400017950003420O0-2020005069000-445000363000-224000-224000-28000-898000-1232000-445000364000-203000-203000-28000-791000-110300013600012000790002270007800078000200000100000705400042460001140O0-14700011267000-21730001346000-7100010000-1638000-2526000-21880001346000-71000100000-1330000-2233000283000240003070001780004000182000897900041070001009000-331000137640O0-267000994000-143000-143000-28000-1976000-1420000-265000996000-95000-95000-28000-1750000-11420002670002400010100039200021500010000225000200000100000<p id="xdx_801_eus-gaap--DisposalGroupsIncludingDiscontinuedOperationsDisclosureTextBlock_zPvSviYy8Ae9" style="font: 10pt Times New Roman, Times, Serif; margin-top: 0pt; margin-bottom: 0pt">NOTE 11: MESOSCRIBE SUBSIDIARY</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"><i> </i></p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">On August 8, 2023, the Company entered into a Purchase and License Agreement (the “Agreement”) with a third-party. Pursuant to the Agreement, the Company will sell certain proprietary assets relating to its plasma spray technology and material deposition system and grant a non-exclusive license to use certain of the Company’s related intellectual property as more fully described in the Agreement, for an aggregate purchase price of $0.9 million. The purchase price is payable in several installments and contingent upon certain performance metrics and other milestones.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company will continue to fulfill remaining orders for MesoScribe products through the end of 2024 at which time it plans to cease the remaining operations of MesoScribe and dispose of any remaining equipment. During the three and six months ended June 30, 2023, the Company recorded an impairment charge of $0.1 million for certain equipment of MesoScribe based on its decision to cease the remaining operations by the end of 2024. </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The Company received payments under the Agreement in the amount of $0.6 million which has been reflected as “deposit from purchaser” in the accompanying consolidated balance sheet as of March 31, 2024 and December 31, 2023. The Company expects the transaction to be completed in 2024 with

~~the acceptance of the equipment by the purchaser.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The revenue and net loss were $55,000 and ($45,000), respectively, for the three months ended June 30, 2024 and $0.1 million and ($0.1) million, respectively, for the six months ended June 30, 2024.</p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify"> </p> <p style="font: 10pt Times New Roman, Times, Serif; margin: 0pt 0pt 0pt 0; text-align: justify">The total assets and total liabilities of the MesoScribe subsidiary were $0.2 million and $0.7 million, respectively, as of both June 30, 2024 and December 31, 2023. </p> 90000010000010000060000060000055000-45000100000-100000200000200000700000700000 Includes loss on sale of Tantaline of $ million and impairment charge related to MesoScribe fixed assets of $ million.0.20.1 Includes loss on sale of Tantaline of $ million and impairment charge related to MesoScribe fixed assets of $ million.0.20.1~~