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190001145986aspn:CloudComputingAgreementMemberaspn:PayrollServicesAgreementMember2024-09-30aspn:Subsidiaryxbrli:pureaspn:Agreementxbrli:sharesaspn:Customeraspn:Segmentiso4217:USDxbrli:sharesiso4217:USD Â  UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Â  FORM 10-Q Â  (Mark One) â˜’ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the quarterly period ended September 30, 2024 OR â˜ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the transition period from to Commission file number: 001-36481 Â  ASPEN AEROGELS, INC. (Exact name of registrant as specified in its charter) Â Â  Delaware 04-3559972 (State or other jurisdiction ofincorporation or organization) (I.R.S. EmployerIdentification No.) Â Â  30 Forbes Road, Building BNorthborough, Massachusetts 01532 (Address of principal executive offices) (Zip Code) Â  Registrantâ€™s telephone number, including area code: (508) 691-1111 Â  Securities registered pursuant to Section 12(b) of the Act: Title of each class Trading Symbol Name of exchange on which registered Common Stock, par value $0.00001 per share ASPN The New York Stock Exchange Â  Indicate by check mark 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˜ 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 (Â§ 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˜ Indicate by check mark whether the 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 filer,â€ â€œsmaller reporting company,â€ and â€œemerging growth companyâ€ in Rule 12b-2 of the Exchange Act. Â  Large accelerated filer â˜ Accelerated filer â˜’ Non-accelerated filer â˜ Smaller reporting company â˜ Â Â Â Â Emerging growth company Â 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˜ 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˜’ As of November 5, 2024, the registrant had 82,047,288 shares of common stock outstanding. Â Â  ASPEN AEROGELS, INC. INDEX TO FORM 10-Q Â Â Â Â Â  Page Â Â  PART I FINANCIAL INFORMATION Â Â Â Â Â Â Â  Item 1. Â  Financial Statements Â Â Â Â Â Â Â Â Â Â  Consolidated Balance Sheets (unaudited) as of September 30, 2024 and December 31, 2023 Â 1 Â Â Â Â Â Â Â Â Â  Consolidated Statements of Operations (unaudited) for the three and nine months ended September 30, 2024 and 2023 Â 2 Â Â Â Â Â Â Â Â  Consolidated Statements of Stockholdersâ€™ Equity (unaudited) for the three and nine months ended September 30, 2024 and 2023 Â 3 Â Â Â Â Â Â Â Â  Consolidated Statements of Cash Flows (unaudited) for the nine months ended September 30, 2024 and 2023 Â 4 Â Â Â Â Â Â Â Â  Notes to Consolidated Financial Statements (unaudited) Â 5 Â Â Â Â Â Â Â  Item 2. Â  Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations Â 20 Â Â Â Â Â Â  Item 3. Â  Quantitative and Qualitative Disclosures About Market Risk Â 37 Â Â Â Â Â Â  Item 4. Â  Controls and Procedures Â 37 Â Â Â Â Â Â Â  PART II OTHER INFORMATION Â Â Â Â Â Â Â  Item 1. Â  Legal Proceedings Â 39 Â Â Â Â Â Â  Item 1A. Â  Risk Factors Â 39 Â Â Â Â Â Â  Item 2. Â  Unregistered Sales of Equity Securities and Use of Proceeds Â 41 Â Â Â Â Â Â  Item 3. Â  Defaults Upon Senior Securities Â 41 Â Â Â Â Â Â  Item 4. Â  Mine Safety Disclosures Â 41 Â Â Â Â Â Â  Item 5. Â  Other Information Â 41 Â Â Â Â Â Â  Item 6. Â  Exhibits Â 42 Â Â Â Â Â  SIGNATURES Â 43 Â  Trademarks, Trade Names and Service Marks We own or have rights to use â€œAspen Aerogels,â€ â€œCryogel,â€ â€œPyrogel,â€ â€œSpaceloft,â€ â€œPyroThin,â€ the Aspen Aerogels logo and other trademarks, service marks and trade names of Aspen Aerogels, Inc. appearing in this Quarterly Report on Form 10-Q. Solely for convenience, the trademarks, service marks and trade names referred to in this report are presented without the Â® and TM symbols, but such references are not intended to indicate, in any way, that the owner thereof will not assert, to the fullest extent under applicable law, such ownerâ€™s rights to these trademarks, service marks and trade names. This report contains additional trademarks, service marks and trade names of other companies, which, to our knowledge, are the property of their respective owners. Â  PART I â€” FINANCIAL INFORMATION Item 1. Financial Statements. ASPEN AEROGELS, INC. Consolidated Balance Sheets (Unaudited) Â Â  September 30, Â Â  December 31, Â Â Â Â  2024 Â Â  2023 Â Â Â  (In thousands, exceptshare and per share data) Â  Assets Â Â Â Â Â Â Â  Current assets: Â Â Â Â Â Â  Cash and cash equivalents Â  $ 113,489 Â Â  $ 139,723 Â  Restricted cash Â Â  394 Â Â Â  248 Â  Accounts receivable, net of allowances of $898Â and $230 Â Â  115,199 Â Â Â  69,995 Â  Inventories Â Â  47,430 Â Â Â  39,189 Â  Prepaid expenses and other current assets Â Â  29,344 Â Â Â  17,176 Â  Total current assets Â Â  305,856 Â Â Â  266,331 Â  Property, plant and equipment, net Â Â  451,569 Â Â Â  417,227 Â  Operating lease right-of-use assets Â Â  20,373 Â Â Â  17,212 Â  Other long-term assets Â Â  4,789 Â Â Â  2,278 Â  Total assets Â  $ 782,587 Â Â  $ 703,048 Â  Liabilities and Stockholdersâ€™ Equity Â Â Â Â Â Â  Current liabilities: Â Â Â Â Â Â  Accounts payable Â  $ 42,280 Â Â  $ 51,094 Â  Accrued expenses Â Â  26,531 Â Â Â  22,811 Â  Deferred revenue Â Â  2,405 Â Â Â  2,316 Â  Finance obligation for sale and leaseback transactions Â Â  3,653 Â Â Â Â â€” Â  Operating lease liabilities Â Â  3,181 Â Â Â  1,874 Â  Long term debt - current portion Â Â  26,250 Â Â Â  Â â€” Â  Total current liabilities Â Â  104,300 Â Â Â  78,095 Â  Revolving line of credit Â Â  42,735 Â Â Â  â€” Â  Long term debt Â Â  93,674 Â Â Â  â€” Â  Convertible note - related party Â Â  â€” Â Â Â  114,992 Â  Finance obligation for sale and leaseback transactions long-term Â Â  10,486 Â Â Â  â€” Â  Operating lease liabilities long-term Â Â  23,742 Â Â Â  21,906 Â  Total liabilities Â Â  274,937 Â Â Â  214,993 Â  Commitments and contingencies (Note 9) Â Â Â Â Â Â  Stockholdersâ€™ equity: Â Â Â Â Â Â  Preferred stock, $0.00001Â par value; 5,000,000Â shares authorized, noÂ shares issued andÂ Â Â outstanding at September 30, 2024 and December 31, 2023 Â Â  â€” Â Â Â Â  â€” Â  Common stock, $0.00001Â par value; 250,000,000Â shares authorized, 77,155,896Â and 76,503,151Â shares issued and outstanding at September 30, 2024 and December 31, 2023, respectively Â Â  â€” Â Â Â Â  â€” Â  Additional paid-in capital Â Â  1,179,239 Â Â Â  1,161,657 Â  Accumulated deficit Â Â  (671,589 ) Â Â  (673,602 ) Total stockholdersâ€™ equity Â Â  507,650 Â Â Â  488,055 Â  Total liabilities and stockholdersâ€™ equity Â  $ 782,587 Â Â  $ 703,048 Â  See accompanying notes to unaudited consolidated financial statements. 1 Â  ASPEN AEROGELS, INC. Consolidated Statements of Operations (Unaudited) Â Â  Three Months Ended Â Â  Nine Months Ended Â Â Â  September 30, Â Â Â  September 30, Â Â Â Â  2024 Â Â  2023 Â Â Â  2024 Â Â  2023 Â Â Â  (In thousands, exceptshare and per share data) Â  Revenue Â Â  $ 117,340 Â Â  $ 60,755 Â Â  $ 329,611 Â Â  $ 154,499 Â  Cost of revenue Â Â  68,297 Â Â Â  46,945 Â Â Â  193,847 Â Â Â  127,196 Â  Gross profit Â Â  49,043 Â Â Â  13,810 Â Â Â  135,764 Â Â Â  27,303 Â  Operating expenses: Â Â Â Â Â Â Â Â Â Â  Research and development Â Â  4,591 Â Â Â  4,218 Â Â Â  13,645 Â Â Â  12,281 Â  Sales and marketing Â Â  9,306 Â Â Â  8,386 Â Â Â  27,130 Â Â Â  24,226 Â  General and administrative Â Â  17,746 Â Â Â  15,840 Â Â Â  52,465 Â Â Â  41,382 Â  Impairment of equipment under development Â Â Â â€” Â Â Â  â€” Â Â Â  2,702 Â Â Â  â€” Â  Total operating expenses Â Â  31,643 Â Â Â  28,444 Â Â Â  95,942 Â Â Â  77,889 Â  Income (loss) from operations Â Â  17,400 Â Â Â  (14,634 ) Â Â  39,822 Â Â Â  (50,586 ) Other income (expense) Â Â Â Â Â Â Â Â Â Â  Interest expense, convertible note - related party Â Â  (1,469 ) Â Â  (1,938 ) Â Â  (7,550 ) Â Â  (2,424 ) Interest income (expense) Â Â  (1,147 ) Â Â  1,313 Â Â Â  (883 ) Â Â  5,532 Â  Income from Employee Retention Credits Â Â Â â€” Â Â Â  2,186 Â Â Â Â â€” Â Â Â  2,186 Â  Loss on extinguishment of debt Â Â  (27,487 ) Â Â Â â€” Â Â Â  (27,487 ) Â Â Â â€” Â  Total other income (expense) Â Â  (30,103 ) Â Â  1,561 Â Â Â  (35,920 ) Â Â  5,294 Â  Income (loss) before income tax expense Â Â  (12,703 ) Â Â  (13,073 ) Â Â  3,902 Â Â Â  (45,292 ) Income tax expense Â Â  (267 ) Â Â Â â€” Â Â Â  (1,889 ) Â Â Â â€” Â  Net income (loss) Â  $ (12,970 ) Â  $ (13,073 ) Â  $ 2,013 Â Â  $ (45,292 ) Net income (loss) per share: Â Â Â Â Â Â Â Â Â Â  Basic Â  $ (0.17 ) Â  $ (0.19 ) Â  $ 0.03 Â Â  $ (0.65 ) Diluted Â  $ (0.17 ) Â  $ (0.19 ) Â  $ 0.03 Â Â  $ (0.65 ) Weighted-average common shares outstanding: Â Â Â Â Â Â Â Â Â Â  Basic Â Â  76,261,294 Â Â Â  69,317,805 Â Â Â  76,402,123 Â Â Â  69,243,843 Â  Diluted Â Â  76,261,294 Â Â Â  69,317,805 Â Â Â  79,149,193 Â Â Â  69,243,843 Â  See accompanying notes to unaudited consolidated financial statements. 2 Â  ASPEN AEROGELS, INC. Consolidated Statements of Stockholdersâ€™ Equity (Unaudited) (In thousands, except share data) Â Â  Preferred Stock Â  Common Stock Â  AdditionalPaid-inCapital Â  AccumulatedDeficit Â  Total Stockholders' Equity Â Â Â  Shares Â Â  Value Â  Shares Â Â  Value Â Â Â Â Â Â Â  Balance at December 31, 2023 Â Â Â â€” Â Â Â  $ â€” Â Â Â  76,503,151 Â Â Â  $ â€” Â Â  $ 1,161,657 Â  $ (673,602 ) $ 488,055 Â  Net loss Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (1,835 ) Â  (1,835 ) Stock-based compensation expense Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,532 Â Â Â â€” Â Â  2,532 Â  Issuance costs from private placement of common stock Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (28 ) Â Â Â â€” Â Â Â  (28 ) Vesting of restricted stock units Â Â Â â€” Â Â Â â€” Â Â Â  118,289 Â Â Â Â â€” Â Â Â  (1,081 ) Â Â Â â€” Â Â Â  (1,081 ) Cancellation of restricted stock Â Â Â â€” Â Â Â Â â€” Â Â Â  (679,796 ) Â Â Â â€” Â Â Â  2,174 Â Â Â â€” Â Â Â  2,174 Â  Proceeds from employee stock option exercises Â Â Â â€” Â Â Â Â â€” Â Â Â  136,286 Â Â Â Â â€” Â Â Â  1,386 Â Â Â â€” Â Â Â  1,386 Â  Balance at March 31, 2024 Â Â Â â€” Â Â Â Â $ â€” Â Â Â  76,077,930 Â Â Â  $ â€” Â Â  $ 1,166,640 Â  $ (675,437 ) $ 491,203 Â  Net income 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  16,818 Â Â Â  16,818 Â  Stock-based compensation expense Â Â Â â€” Â Â Â Â â€” Â Â Â â€” Â Â Â  2,971 Â Â Â â€” Â Â Â  2,971 Â  Issuance of restricted stock awards Â Â Â â€” Â Â Â Â â€” Â Â Â  11,388 Â Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â  Employee restricted stock awards withheld for tax Â Â Â â€” Â Â Â Â â€” Â Â Â  (75,885 ) Â Â Â â€” Â Â Â  (1,810 ) Â Â Â â€” Â Â Â  (1,810 ) Vesting of restricted stock units Â Â Â â€” Â Â Â Â â€” Â Â Â  3,790 Â Â Â Â â€” Â Â Â  (53 ) Â Â Â â€” Â Â Â  (53 ) Proceeds from employee stock option exercises Â Â Â â€” Â Â Â Â â€” Â Â Â  1,063,816 Â Â Â Â â€” Â Â Â  8,698 Â Â Â â€” Â Â Â  8,698 Â  Balance at June 30, 2024 Â Â Â â€” Â Â Â Â $ â€” Â Â Â  77,081,039 Â Â Â  $ â€” Â Â  $ 1,176,446 Â  $ (658,619 ) $ 517,827 Â  Net income 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  (12,970 ) Â  (12,970 ) Stock-based compensation expense 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  2,630 Â Â Â Â â€” Â Â Â  2,630 Â  Vesting of restricted stock units Â Â Â â€” Â Â Â Â â€” Â Â Â  11,784 Â Â Â Â â€” Â Â Â  (124 ) Â Â Â â€” Â Â Â  (124 ) Proceeds from employee stock option exercises Â Â Â â€” Â Â Â Â â€” Â Â Â  63,073 Â Â Â Â â€” Â Â Â  287 Â Â Â â€” Â Â Â  287 Â  Balance at September 30, 2024 Â Â Â â€” Â Â Â Â $ â€” Â Â Â  77,155,896 Â Â Â  $ â€” Â Â  $ 1,179,239 Â  $ (671,589 ) $ 507,650 Â Â Â  Preferred Stock Â  Common Stock Â  AdditionalPaid-inCapital Â  AccumulatedDeficit Â  Total Stockholders' Equity Â Â  Shares Â Â  Value Â  Shares Â Â  Value Â Â Â Â Â Â  Balance at December 31, 2022 Â Â Â â€” Â Â Â  $ â€” Â Â Â  69,994,963 Â Â Â  $ â€” Â Â  $ 1,075,226 Â  $ (627,791 ) $ 447,435 Â  Net loss Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (16,796 ) Â  (16,796 ) Stock-based compensation expense Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,267 Â Â Â â€” Â Â Â  2,267 Â  Vesting of restricted stock units Â Â Â â€” Â Â Â â€” Â Â Â  71,643 Â Â Â Â â€” Â Â Â  (385 ) Â Â Â â€” Â Â Â  (385 ) Proceeds from employee stock option exercises Â Â Â â€” Â Â Â Â â€” Â Â Â  2,554 Â Â Â Â â€” Â Â Â  21 Â Â Â â€” Â Â Â  21 Â  Balance at March 31, 2023 Â Â Â â€” Â Â Â Â $ â€” Â Â Â  70,069,160 Â Â Â  $ â€” Â Â  $ 1,077,129 Â  $ (644,587 ) $ 432,542 Â  Net loss Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (15,423 ) Â  (15,423 ) Stock-based compensation expense Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,710 Â Â Â â€” Â Â Â  2,710 Â  Issuance of restricted stock Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  44,928 Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â  Vesting of restricted stock units Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,464 Â Â Â â€” Â Â Â â€” Â Â Â  (8 ) Â Â Â â€” Â Â Â  (8 ) Proceeds from employee stock option exercises Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  41,591 Â Â Â â€” Â Â Â â€” Â Â Â  150 Â Â Â â€” Â Â Â â€” Â Â Â  150 Â  Balance at June 30, 2023 Â Â Â â€” Â Â Â â€” Â Â Â $ â€” Â Â Â  70,158,143 Â Â Â  $ â€” Â Â  $ 1,079,981 Â  $ (660,010 ) $ 419,971 Â  Net loss Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (13,073 ) Â  (13,073 ) Stock-based compensation expense Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,789 Â Â Â â€” Â Â Â  2,789 Â  Vesting of restricted stock units Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  2,662 Â Â Â â€” Â Â Â â€” Â Â Â  (9 ) Â Â Â â€” Â Â Â  (9 ) Proceeds from employee stock option exercises Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  65,828 Â Â Â â€” Â Â Â â€” Â Â Â  274 Â Â Â â€” Â Â Â  274 Â  Issuance costs from underwritten public offering Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â â€” Â Â Â  (139 ) Â Â Â â€” Â Â Â  (139 ) Balance at September 30, 2023 Â Â Â â€” Â Â Â Â $ â€” Â Â Â  70,226,633 Â Â Â  $ â€” Â Â  $ 1,082,896 Â  $ (673,083 ) $ 409,813 Â  See accompanying notes to unaudited consolidated financial statements. 3 Â  ASPEN AEROGELS, INC. Consolidated Statements of Cash Flows (Unaudited) Â Â  Nine Months Ended Â Â Â  September 30, Â Â Â  2024 Â Â  2023 Â Â Â  (In thousands) Â  Cash flows from operating activities: Â Â Â Â Â Â Â  Net income (loss) Â  $ 2,013 Â Â  $ (45,292 ) Adjustments to reconcile net income (loss) to net cash used in operating activities: Â Â Â Â Â Â Â  Depreciation Â Â  17,093 Â Â Â  10,757 Â  Accretion of interest on convertible note - related party Â Â  7,083 Â Â Â  1,721 Â  Amortization of convertible note issuance costs Â Â  320 Â Â Â  28 Â  Amortization of debt discount due to modification of convertible note â€“ related party Â Â  443 Â Â Â  675 Â  Loss on extinguishment of debt Â Â  27,487 Â Â Â Â â€” Â  Deferred financing costs written off Â Â  1,829 Â Â Â Â â€” Â  Provision for bad debt Â Â  139 Â Â Â  (89 ) Stock-based compensation expense Â Â  10,307 Â Â Â  7,766 Â  Impairment of property, plant and equipment Â Â  6,810 Â Â Â Â â€” Â  Reduction in the carrying amount of operating lease right-of-use assets Â Â  1,990 Â Â Â  2,186 Â  Changes in operating assets and liabilities: Â Â Â Â Â Â Â  Accounts receivable Â Â  (45,343 ) Â Â  3,026 Â  Inventories Â Â  (8,241 ) Â Â  (11,883 ) Prepaid expenses and other assets Â Â  (16,786 ) Â Â  (6,771 ) Accounts payable Â Â  4,452 Â Â Â  (420 ) Accrued expenses Â Â  1,890 Â Â Â  691 Â  Deferred revenue Â Â  89 Â Â Â  (383 ) Operating lease liabilities Â Â  (1,710 ) Â Â  (1,845 ) Net cash provided (use) in operating activities Â Â  9,865 Â Â Â  (39,833 ) Cash flows from investing activities: Â Â Â Â Â Â Â  Capital expenditures Â Â  (71,511 ) Â Â  (147,669 ) Net cash used in investing activities Â Â  (71,511 ) Â Â  (147,669 ) Cash flows from financing activities: Â Â Â Â Â Â Â  Proceeds from employee stock option exercises Â Â  10,371 Â Â Â  445 Â  Proceeds from sale and leaseback transactions Â Â  14,982 Â Â Â Â â€” Â  Repayment of finance obligation for sale and leaseback transactions Â Â  (843 ) Â Â Â â€” Â  Payments made for employee restricted stock tax withholdings Â Â  (1,258 ) Â Â  (402 ) Repayment of convertible note Â Â  (150,029 ) Â Â Â â€” Â  Proceeds from term loan Â Â  125,000 Â Â Â Â â€” Â  Issuance costs from term loan Â Â  (5,337 ) Â Â Â â€” Â  Proceeds from revolver Â Â  43,000 Â Â Â Â â€” Â  Issuance costs from revolver Â Â  (300 ) Â Â Â â€” Â  Fees and issuance costs from private placement of common stock Â Â  (28 ) Â Â  (139 ) Net cash provided by (used in) financing activities Â Â  35,558 Â Â Â Â  (96 ) Net decrease in cash, cash equivalents and restricted cash Â Â  (26,088 ) Â Â  (187,598 ) Cash, cash equivalents and restricted cash at beginning of period Â Â  139,971 Â Â Â  282,561 Â  Cash, cash equivalents and restricted cash at end of period Â  $ 113,883 Â Â  $ 94,963 Â  Supplemental disclosures of cash flow information: Â Â Â Â Â Â  Interest paid Â  $ 2,328 Â Â  $ 1 Â  Income taxes paid Â  $ â€” Â Â  $ â€” Â  Supplemental disclosures of non-cash activities: Â Â Â Â Â Â  Right-of-use assets obtained in exchange for new operating lease liabilities Â  $ 4,853 Â Â  $ 9,994 Â  Capitalized interest Â  $ â€” Â Â  $ 6,084 Â  Changes in accrued capital expenditures Â  $ (13,266 ) Â  $ (17,193 ) See accompanying notes to unaudited consolidated financial statements. 4 Â  ASPEN AEROGELS, INC. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) (1) Description of Business and Basis of PresentationNature of BusinessAspen Aerogels, Inc. (the Company) is an aerogel technology company that has introduced a line of aerogel thermal barriers for use in battery packs in the electric vehicle market. In addition, the Company designs, develops and manufactures innovative, high-performance aerogel insulation used in the energy industrial and sustainable insulation materials markets. The Company is also developing applications for its aerogel technology in the battery materials and a number of other high-potential markets. The Company maintains its corporate offices in Northborough, Massachusetts. The Company has three wholly owned subsidiaries: Aspen Aerogels Rhode Island, LLC (Aspen RI), Aspen Aerogels Germany, GmbH and Aspen Aerogels Georgia, LLC (Aspen Georgia). Additionally, we engaged Prodensa Servicios de Consultora to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico (OPE), which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. OPE is currently owned by Prodensa, which charges a management fee. There is an option for OPE to be purchased by the Company after a period of 18 months. During the period between inception and the exercise of the purchase option, OPE operations are consolidated within the Company financial statements.LiquidityDuring the nine months ended September 30, 2024, the Company earned net income of $2.0 million, provided $9.9 million of cash in operations and used $71.5 million of cash for capital expenditures. The Company had unrestricted cash and cash equivalents of $113.5 million as of September 30, 2024.In January 2024 and September 2024, the Company entered into sale and leaseback arrangements, pursuant to which the Company sold certain equipment to an equipment leasing company for one-time cash payments of $5.0 and $10.0 million, respectively, and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the lease term of three years.On August 19, 2024, the Company and Aspen RI (each, a Borrower and collectively, the Borrowers) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility) with MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as additional guarantors and/or borrowers from time to time, for a term loan facility in an aggregate principal amount of $125.0 million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $100.0 million or the borrowing base. At closing the Company drew $125.0 million from the term loan facility and $43.0 million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the 2022 Convertible Notes (as defined below) for $150.0 million and for general corporate purposes. The amount available to the Company at September 30, 2024 under the revolving loan facility was $25.7 million.The Company is increasing investment in the research and development of next-generation aerogel products and manufacturing process technologies. In addition, the Company has developed a number of promising aerogel products and technologies for the electric vehicle market. The Company believes that the commercial potential for the Companyâ€™s products and technology in the electric vehicle market is significant. Accordingly, the Company is hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity and automated thermal barrier fabrication operations, and enhancing research and development resources, among other items.The Company expects its existing cash balance and the amount anticipated to be available under the existing revolving loan facility will be sufficient

to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunity in the electric vehicle market and other strategic business initiatives. However, the Company plans to supplement its cash balance and available credit with equity financings, debt financings, equipment leasing, sale and leaseback transactions, customer prepayments, or government grant and loan programs to provide the 5 Â  additional capital necessary to purchase the capital equipment, construct the new facilities, establish the operations and complete the aerogel capacity expansions required to support these evolving commercial opportunities and strategic business initiatives.Unaudited Interim Financial InformationThe accompanying unaudited interim consolidated financial statements include the accounts of the Company and have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this Quarterly Report on Form 10-Q should be read in conjunction with the audited consolidated financial statements and accompanying notes in our Annual Report on Form 10-K for the year ended December 31, 2023 (the Annual Report), filed with the U.S. Securities and Exchange Commission on March 7, 2024.In the opinion of the Companyâ€™s management, the unaudited interim consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements and include all adjustments that are of a normal recurring nature and necessary for the fair statement of the Companyâ€™s financial position as of September 30, 2024 and the results of its operations and stockholdersâ€™ equity for the three and nine months ended September 30, 2024 and 2023 and the cash flows for the nine-month periods then ended. The Company has evaluated subsequent events through the date of this filing.The Companyâ€™s results of operations for the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the year ending December 31, 2024 or any other period. (2) Significant Accounting PoliciesPlease refer to "Note 2. Summary of Basis of Presentation and Significant Accounting Policies," to the Company's consolidated financial statements from the Annual Report for the discussion of the Company's significant accounting policies.Use of EstimatesThe preparation of the consolidated financial statements requires the Company to make a number of estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Significant items subject to such estimates and assumptions include allowances for doubtful accounts, sales returns and allowances, product warranty costs, inventory valuation, the carrying amount of property and equipment, right-of-use assets, lease liabilities, stock-based compensation, and deferred income taxes. The Company evaluates its estimates and assumptions on an on-going basis using historical experience and other factors, including current economic conditions, which are believed to be reasonable under the circumstances. Management adjusts such estimates and assumptions when facts and circumstances warrant. Illiquid credit markets, volatile equity markets and declines in business investment can increase the uncertainty inherent in such estimates and assumptions. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Changes in these estimates resulting from continuing changes in the economic environment will be reflected in the financial statements in future periods.Restricted CashAs of September 30, 2024, the Company had $0.4 million of restricted cash to support its outstanding letters of credit.Concentration of Credit RiskFinancial instruments, which potentially expose the Company to concentrations of credit risk, consist principally of accounts receivable. The Companyâ€™s customers are primarily insulation distributors, insulation contractors, insulation fabricators and select energy and automotive end-users located throughout the world. The Company performs ongoing credit evaluations of its customersâ€™ financial condition and generally requires no collateral to secure accounts receivable. The Company maintains an allowance for doubtful accounts based on its assessment of the collectability of accounts receivable. The Company reviews the allowance for doubtful accounts quarterly. During the nine months ended September 30, 2024, the Company recorded an increase for estimated customer uncollectible accounts receivable of $0.1 million. During the nine months ended September 30, 2023, the Company recorded a reduction for estimated customer uncollectible accounts receivable of less than $0.1 million. 6 Â  For the nine months ended September 30, 2024 and 2023, two customers represented 74% and 50% of total revenue, respectively.At September 30, 2024, the Company had one customer which accounted for 79% of accounts receivable. At December 31, 2023, the Company had two customers which accounted for 60% and 6% of accounts receivable, respectively. Revenue RecognitionThe Company recognizes revenue in accordance with Accounting Standards Codification 606, Revenue from Contracts with Customers (ASC 606). See note 3 for further details. Sale and Leaseback AccountingThe Company has entered into sale and leaseback transactions for certain equipment within its plants. Due to the Company not meeting criteria to account for the transfer of the assets as a sale, sale accounting is precluded. Accordingly, the Company uses the financing method to account for these transactions.Under the financing method of accounting for a sale and leaseback, the Company does not derecognize the assets and does not recognize as revenue any of the sale proceeds received from the lessor that contractually constitutes payment to acquire the assets subject to these arrangements. Instead, the sale proceeds received are accounted for as finance obligations and leaseback payments made by the Company are allocated between interest expense and a reduction to the finance obligation. Interest on the finance obligation is calculated using the Companyâ€™s incremental borrowing rate at the inception of the arrangement on the outstanding finance obligation.Recently Issued Accounting StandardsFrom time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies. Recently issued standards typically do not require adoption until a future effective date. Prior to their effective date, the Company evaluates the pronouncements to determine the potential effects of adoption to its consolidated financial statements.Standards Implemented Since December 31, 2023The Company has not implemented any accounting standards that had a material impact on its consolidated financial statements during the nine months ended September 30, 2024.Standards to be ImplementedIn November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Companyâ€™s fiscal year 2024 and interim periods in fiscal year 2025. Early adoption is permitted. The Company is currently evaluating segment expense disclosures related to its annual report for fiscal year 2024.In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Companyâ€™s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025. Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.The Company believes that the impact of recently issued accounting standards that are not yet effective will not have a material impact on its consolidated financial statements. 7 Â  (3) Revenue from Contracts with CustomersRevenue RecognitionRevenue is recognized when a customer obtains control of promised goods or services in an amount that reflects the consideration which the entity expects to receive in exchange for those goods or services. To determine revenue recognition for arrangements within the scope of ASC 606, the Company performs the following five steps: (i) identification of the contract with a customer; (ii) identification of the performance obligations in the contract; (iii) determination of the transaction price; (iv) allocation of the transaction price to the separate performance obligations in the contract; and (v) recognition of the revenue associated with performance obligations as they are satisfied. The Company applies the five-step model to contracts when it is probable that the Company will collect the consideration it is entitled to in exchange for the goods or services it transfers to the customer. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within each contract and determines those that are performance obligations and assesses whether each promised good or service is distinct. If the contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations require an allocation of the transaction price based on the estimated relative standalone-selling prices of the promised products or services underlying each performance obligation. The Company determines standalone-selling prices based on the price at which the performance obligation is sold separately. If the standalone-selling price is not observable through past transactions, the Company estimates the standalone-selling price considering available information such as market conditions and internally approved pricing guidelines related to the performance obligations. The Company then recognizes as revenue the amount of the transaction price that is allocated to the respective performance obligation when (or as) the performance obligation is satisfied.When determining the transaction price of a contract, an adjustment is made if payment from a customer occurs either significantly before or significantly after performance, resulting in a significant financing component. Applying the practical expedient in paragraph ASC 606-10-32-18, the Company does not assess whether a significant financing component exists if the period between when the Company performs its obligations under the contract and when the customer pays is one year or less. The Company did not have any contracts outstanding at December 31, 2023 and did not enter into any contracts during the nine months ended September 30, 2024 that contained a significant financing component.The Company records deferred revenue for product sales when (i) the Company has delivered products, but other revenue recognition criteria have not been satisfied, or (ii) payments have been received in advance of the completion of required performance obligations.Thermal Barriers The Company supplies fabricated, multi-part thermal barriers for use in battery packs in the electric vehicle market. These thermal barriers are customized to meet customer specifications. Although thermal barrier products are customized with no alternative use to the Company, the Company does not always have an enforceable right to payment. Under the provisions of ASC 606, the Company recognizes revenue at a point in time when transfer of the control of the products is passed to the customer according to the terms of the contract, including under bill and hold arrangements. The timing of revenue recognition is assessed on a contract-by-contract basis.Energy IndustrialThe Company generally enters into contracts containing one type of performance obligation. For a majority of the contracts, the Company recognizes revenue at a point in time when transfer of control of the products is passed to the customer, which is generally upon delivery according to contractual shipping terms within customer purchase orders. For a limited number of customer arrangements for customized products with no alternative use to the Company and an enforceable right to payment for progress completed to date, the Company recognizes revenue over time using units of production to measure progress toward satisfying the performance obligations. Units of production represent work performed as we do not generate significant work in process and thereby best depicts the transfer of control to the customer. Customer invoicing terms for contracts for which revenue is recognized under the over time methodology are typically based on certain milestones within the production and delivery schedule. The timing of revenue recognition is assessed on a contract-by-contract basis.The Company also enters into rebate agreements with certain customers. These agreements may be considered an additional performance obligation of the Company or variable consideration within a contract. Rebates are recorded as a reduction of revenue in 8 Â  the period the related revenue is recognized. A corresponding liability is recorded as a component of deferred revenue on the consolidated balance sheets. These arrangements are primarily based on the customer attaining contractually specified sales volumes.The Company estimates the amount of its sales that may be returned by its customers and records this estimate as a reduction of revenue in the period the related revenue is recognized. The Company currently estimates return liabilities using historical rates of return, current quarter credit sales, and specific items of exposure on a contract-by-contract basis. Sales return reserves were approximately $0.7 million and $0.2 million as of September 30, 2024 and December 31, 2023, respectively.Shipping and Handling CostsShipping and handling costs associated with outbound freight after control over a product has transferred to a customer are accounted for as fulfillment costs and are included in the cost of product revenue. The associated amount of revenue recognized includes the consideration to which the Company expects to be entitled to receive in exchange for incurring these shipping and handling costs.Disaggregation of RevenueIn the following tables, revenue is disaggregated by primary geographical region and source of revenue: Â Â  Three Months Ended September 30, Â Â Â  2024 Â Â  2023 Â Â Â  U.S. Â Â  International Â Â  Total Â Â  U.S. Â Â  International Â Â  Total Â Â Â  (In thousands) Â  Geographical region Â Â Â

the year ended December 31, 2022, the Company issued a $100.0 million aggregate principal amount convertible note (the 2022 Convertible Note) to Wood River Capital, LLC (Wood River), an entity affiliated with Koch Disruptive Technologies, LLC (Koch), for the planned manufacturing facility in Bulloch County, Georgia, pursuant to that certain Note Purchase Agreement, dated as of February 15, 2022, as amended by that certain Amendment No. 1 to Note Purchase Agreement, dated November 28, 2022 (together, the Note Purchase Agreement). The Company repurchased the 2022 Convertible Note on August 19, 2024. See Note (8) Convertible Note â€“ Related Party for additional detail.During the nine months ended September 30, 2024, the Company incurred $7.1 million of interest from the 2022 Convertible Note.OtherThe Company had $2.8 million in accounts payable as of December 31, 2023, due to an entity affiliated with Koch for project management service. On March 27, 2024, we entered into a Settlement and Release Agreement with the affiliate of Koch to settle the accounts payable for $1.2 million, which was paid during the three months ended, June 30, 2024. (8) Convertible Note â€“ Related Party2022 Convertible NoteOn February 15, 2022, the Company entered into the Note Purchase Agreement with Wood River, an entity affiliated with Koch, relating to the issuance and sale to Wood River of the 2022 Convertible Note in the aggregate principal amount of $100.0 million. The transactions contemplated by the Note Purchase Agreement closed on February 18, 2022. The maturity date of the 2022 Convertible Note is February 18, 2027, subject to earlier conversion, redemption, or repurchase. 11 Â  The 2022 Convertible Note is a senior unsecured obligation of the Company and ranks equal in right of payment to all senior unsecured indebtedness of the Company and will rank senior in right of payment to any indebtedness that is contractually subordinated to the 2022 Convertible Note.On August 19, 2024, the Company entered into a note purchase and sale agreement with Wood River (the Note Repurchase Agreement), pursuant to which the Company repurchased from Wood River $123.9 million in aggregate capitalized principal amount (inclusive of PIK interest paid through June 30, 2024) of the 2022 Convertible Note, such aggregate amount being the entire outstanding amount of the 2022 Convertible Note, for a total purchase price of $150.1 million in cash, which amount equals to the Redemption Price (as defined in the 2022 Convertible Note). Pursuant to the Note Repurchase Agreement, all rights and obligations, covenants and agreements under the 2022 Convertible Note and the Note Purchase Agreement were satisfied and discharged. The Redemption Price less capitalized principal amount and accrued interest to redemption date, of $24.6 million along with unamortized deferred issuance costs was classified in the income statement as Loss on Extinguishment of Debt. In accordance with ASU 2020-06, the 2022 Convertible Note is accounted for as a single unit of account and consists of the following: Â Â  September 30, Â Â  December 31, Â Â Â  2024 Â Â  2023 Â Â Â  (In thousands) Â  Convertible note, principal Â  $ â€” Â Â  $ 100,000 Â  Payment in-kind Â Â Â  â€” Â Â Â  18,318 Â  Discount on convertible note, net of accumulated amortization Â Â Â  â€” Â Â Â  (3,209 ) Debt issuance costs, net of accumulated amortization Â Â Â  â€” Â Â Â  (117 ) Convertible note Â  $ â€” Â Â  $ 114,992 Â  The 2022 Convertible Note does not have current observable inputs such as recent trading prices (Level 1) and was measured at fair value using a combination of option pricing and discounted cash flow models and incorporate managementâ€™s assumptions for stock price, volatility and risk rate. In general, fair values determined by Level 1 inputs utilize observable inputs such as quoted prices in active markets for identical assets or liabilities. Fair values determined by Level 2 inputs utilize data points that are either directly or indirectly observable, such as quoted prices for similar instruments in active markets, interest rates and yield curves. Fair values determined by Level 3 inputs utilize unobservable data points in which there is little or no market data, which require the Company to develop its own assumptions for the asset or liability. The Company estimated the fair value of the 2022 Convertible Note was approximately $118.2 million as of December 31, 2023. However, as the Company did not elect to utilize the fair value option, it was carried at amortized cost of $115.0 million. Â  (9) DebtOn August 19, 2024, the Borrowers entered into the Credit Agreement, by and among the Borrowers, the Agent, the Lenders and the other parties party thereto as additional guarantors and/or borrowers from time to time. Loans borrowed under the MidCap Loan Facility mature on August 19, 2029.The MidCap Loan Facility is comprised of (i) a term loan facility in an aggregate principal amount of $125 million (the Term Loan Facility) and (ii) an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of (A) a $100 million commitment amount and (B) the value of the borrowing base (defined as the sum of (x) 85% of certain eligible accounts of the Borrowers and (y) the lesser of 85% of the NOLV or 85% of the cost of certain eligible inventory of the Borrowers) (the â€œRevolving Facilityâ€). Loans borrowed under the Term Loan Facility will bear interest rate equal to Term SOFR (as defined in the Credit Agreement) for a one-month interest period plus 4.50% per year, subject to a Term SOFR floor of 4.50% and a Term SOFR cap of 7.50%. Loans borrowed under the Revolving Facility will bear an interest rate equal to Term SOFR plus 4.60% per year, subject to a Term SOFR floor of 2.50%. The Term Loan Facility is subject to amortization of principal, payable quarterly on the last day of each quarter, commencing September 30, 2024, in an amount as set forth in the Credit Agreement with the remaining aggregate principal amount payable on the maturity date. The Borrowers are required to pay the Lenders an exit fee of $2.5 million on the maturity date. The Revolving Facility has a required minimum balance set at 30% of the average borrowing base during the immediate preceding month. The Borrowers are required to pay the Lenders under the Revolving Facility an unused line fee of 0.30% of the average unused availability under the Revolving Facility, subject to the aforementioned minimum balance.The MidCap Loan Facility is guaranteed by the Loan Parties and is secured by a lien on substantially all existing and after-acquired assets of the Loan Parties, including the equity interest in Aspen RI and Aspen Georgia, owned by the Company, in each 12 Â  case, subject to customary exceptions. Aspen Georgia is not a guarantor and its assets are excluded from the collateral under the Credit Agreement, subject to its entrance into a loan facility within one year from the closing date of the MidCap Loan Facility. Once Aspen Georgia enters into the loan facility within such one-year period, the lien granted by the Company on the equity interest of Aspen Georgia will be released. If Aspen Georgia does not enter into the loan facility within such one-year period, Aspen Georgia will be obligated to become a Loan Party under the MidCap Loan Facility and pledge substantially all of its assets as security for the obligations thereunder. The Credit Agreement includes representations and warranties, affirmative covenants (including reporting obligations), negative covenants and events of default that are usual and customary for facilities of this type, in each case, subject to certain permitted exceptions as set forth therein. The Credit Agreement includes financial covenants for the benefit of the Lenders, including (i) a covenant to maintain Liquidity (as defined therein) equal to or greater than $75 million at all times and (ii) a covenant to maintain EBITDA (as defined therein) equal to or greater than the specified applicable amount set forth in the Credit Agreement, tested quarterly with the first test set at $45 million commencing with the fiscal quarter ended September 30, 2024.The Borrowers will have the right to prepay the loans outstanding under the MidCap Loan Facility (or, with respect to the Revolving Facility, terminate the commitments thereunder), subject to a premium equal to 3.0% of the amount prepaid or terminated, as applicable, during the first year after the closing date, which premium will be decreased to 2.0% during the second year after the closing date and to 1.0% thereafter. The Borrowers will be required to mandatorily prepay the loans outstanding under the Term Loan Facility with, among other things, certain casualty insurance proceeds or proceeds from non-ordinary course assets sales (which will also be subject to the aforementioned premium). The Borrowers will be required to mandatorily prepay the balance outstanding under the Revolving Facility (i) if the outstandings exceed the borrowing base in an aggregate amount equal to that excess or (ii) upon a cash dominion event of all the funds deposited in the lockbox account during the cash dominion period. A cash dominion event is triggered upon an event of default or if the Liquidity is less than $100 million.MidCap debt consists of the following:Â Â Â  September 30, Â Â Â Â  2024 Â Â Â  (In thousands) Â  Term loan Â Â  125,000 Â  Exit fee Â Â  85 Â  Term loan issuance costs Â Â  (5,161 ) Total debt Â Â  119,924 Â  Current portion Â Â  26,250 Â  Long term portion Â Â  93,674 Â Â The revolving line of credit had an outstanding balance of $42.7 million as of September 30, 2024, net of unamortized issuance costs. Â  13 Â  (10) Commitments and ContingenciesCloud Computing AgreementThe Company is party to multiple cloud computing agreements that are service contracts for enterprise resource planning software and payroll services. The amortization period of a cloud computing agreement was adjusted during the three months ended March 31, 2024 to align with implementation of a new agreement that will begin to amortize during 2025. The amortization associated with the payroll services agreement began during the three months ended September 30, 2024 and will amortize over a period of five years. The capitalized implementation costs are classified on the consolidated balance sheets as follows: Â Â Â  September 30, Â Â  December 31, Â Â Â  2024 Â Â  2023 Â Â Â  (In thousands) Â  Cloud computing costs included in other current assets Â  $ 780 Â Â  $ 420 Â  Cloud computing costs included in other assets Â Â  2,691 Â Â Â  1,590 Â  Amortization of cloud computing costs Â Â  (578 ) Â Â  (662 ) Total capitalized cloud computing costs Â  $ 2,893 Â Â  $ 1,348 Â  Thermal Barrier ContractsThe Company is party to production contracts with General Motors to supply fabricated, multi-part thermal barriers (Barriers) for use in the battery system of its next-generation electric vehicles (Contracts). Pursuant to the Contracts, the Company is obligated to supply Barriers at fixed annual prices and at volumes to be specified by General Motors up to a daily maximum quantity through the respective terms of the agreements, which expire at various times from 2026 through 2034. While General Motors has agreed to purchase its requirement for Barriers from the Company for locations to be designated from time to time by General Motors, it has no obligation to purchase any minimum quantity of Barriers under the Contracts. In addition, General Motors may terminate the Contracts at any time and for any or no reason. All other terms of the Contracts are generally consistent with General Motors' standard purchase terms, including quality and warranty provisions customary in automotive industry.Charges for Engineering ChangeIn January 2024, the Company was notified by a customer of an engineering change to one of the parts the Company manufactures for that customer to enable incremental productivity and support a set of broader system level changes that could drive higher demand for its parts. The Company has submitted claims to the customer for reimbursement for estimated inventory and equipment losses incurred by the Company and its vendors due to potential obsolescence. In connection with the same, during the three months ended March 31, 2024, the Company recognized a charge of $6.8 million, net of contractual recoverable of $1.9 million, in cost of revenues for inventory obsolescence and impairment of equipment. During the three months ended June 30, 2024, the customer approved reimbursement of parts of the claim totaling $4.2 million for equipment losses incurred by the Company and its vendors, which is recognized as an offset to the charge the Company recognized in the three months ended, March 31, 2024 in cost of revenues. During the three months ended September 30, 2024, the customer approved the remaining claims related to inventory obsolescence of $2.2 million, in addition to the contractual recoverable amount, which is recognized as an offset to the charge recognized in the three months ended, March 31, 2024 in cost of revenues.Â Federal, State and Local Environmental RegulationsThe Company is subject to federal, state and local environmental laws and regulations. These laws generally provide for control of pollutants released into the environment and require responsible parties to undertake remediation. Penalties may be imposed for noncompliance.LitigationThe Company is, from time to time, a party to litigation that arises in the normal course of its business operations. See Part II, Item 1 â€œLegal Proceedingsâ€ of this Quarterly Report on Form 10-Q for a description of certain of the Companyâ€™s current legal proceedings. The Company is not presently a party to any litigation for which it believes a loss is probable requiring an amount to be accrued or a possible loss contingency requiring disclosure. 14 Â  Purchase CommitmentsAs of September 30, 2024, the Company had purchase commitments of approximately $240.0 million, which included capital commitments of $175.3 million. Purchase commitments related to capital expenditures are anticipated to be spent over the next three years, while the Company's remaining purchase commitments are anticipated to be spent throughout 2024. Purchase obligations relate primarily to open purchase orders for capital expenditures, inventories, and goods and services. Purchase obligations are entered into with various vendors in the normal course of business and are consistent with the Company's expected requirements.WarrantyThe Company offers warranties to its customers depending upon the specific product.The Companyâ€™s standard warranty period for energy industrial products extends to one year from the date of shipment. This standard warranty provides that the Companyâ€™s products will be free from defects in material and workmanship, and will, under normal use, conform to the specifications for the product.The Companyâ€™s thermal barrier products provide quality and warranty provisions customary in the automotive industry.The Company recorded warranty reserves related to its thermal barrier products of $1.1 million during the nine months ended September 30, 2024 and $0.2 million during the nine months ended September 30, 2023. (11) Leases and sale and leasebackThe Company leases office, laboratory, warehouse and fabrication space in Massachusetts, Rhode Island and Monterrey, Mexico under operating leases. Under these agreements, the Company is obligated to pay annual rent, real estate taxes, and certain other operating expenses. The Company also leases equipment under operating leases. The Companyâ€™s operating leases expire at various dates through 2034.The Company determines if an arrangement is a lease at inception. Right-of-use (ROU) assets represent the Companyâ€™s right to use an underlying asset for the lease term and lease liabilities represent the Companyâ€™s payment obligations under the lease. Operating lease ROU assets and liabilities are recognized based on the present value of lease payments over the lease term. To measure its lease liabilities, the Company uses its incremental borrowing rate or the rate implicit in the lease, if available. The Company calculates its incremental borrowing rate using a synthetic credit rating analysis based on Moodyâ€™s Building Materials Industry Rating Methodology. ROU assets also include any direct costs and prepaid lease payments but exclude any lease incentives received. The Companyâ€™s lease terms may include options to extend or terminate the lease when it is reasonably certain that the Company will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term. The Company elected the short-term lease recognition exemption for all leases that qualify. For leases that qualify for this exemption, the Company does not recognize ROU assets or lease liabilities. For lease agreements with lease and non-lease components, the Company accounts for each component separately. However, in the case of equipment leases, the Company accounts for lease and non-lease components as a single component. Maturities of operating lease liabilities as of September 30, 2024 are as follows:Â Year Â  OperatingLeases Â Â Â  (In thousands) Â  2024 (excluding the nine months ended September 30, 2024) Â  $ 1,523 Â  2025 Â Â  6,110 Â  2026 Â Â  5,598 Â  2027 Â Â  4,695 Â  2028 Â Â  4,599 Â  Thereafter Â Â  19,338 Â  Total lease payments Â Â  41,863 Â  Less imputed interest Â Â  (14,940 ) Total lease liabilities Â  $ 26,923 Â Â  15 Â Â The Company incurred operating lease costs of $4.3 million and $4.2 million during the nine months ended September 30, 2024 and 2023, respectively. Cash payments related to operating lease liabilities were $4.0 million and $3.6 million during the nine months ended September 30, 2024 and 2023, respectively.As of September 30, 2024, the weighted average remaining lease term for operating leases was 7.8 years. As of September 30, 2024, the weighted average discount rate for operating leases was 12.0%.As of September 30, 2024, the Company had an additional operating equipment lease that will commence during 2024 with total lease payments of $0.3 million and a weighted average lease term of 5.0 years.As of September 30, 2024, the Company had no additional operating real estate leases that would commence during 2024.Sale and leaseback transactionIn January 2024, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $5.0 million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction. The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. The monthly lease rents will be paid over the term of three years and will be allocated between interest expense and principal repayment of the financial liability. In September 2024, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $10.0 million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction. The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. The monthly lease rents will be paid over the term of three years and will be allocated between interest expense and principal repayment of the financial liability. The outstanding finance obligation balance as of September 30, 2024 was $14.1 million (12) Stock based compensationDuring the nine months ended September 30, 2024, the Company granted 242,279 restricted common stock units (RSUs) with an aggregate grant date fair value of $4.0 million and non-qualified stock options (NSOs) to purchase 569,301 shares of common stock with an aggregate grant date fair value of $6.4 million to employees under its equity incentive plans. The restricted common stock and NSOs granted to employees will typically vest over a three-year period. During the nine months ended September 30, 2024, the Company also granted 13,264 shares of restricted common stock with a grant date fair value of $0.4 million and NSOs to purchase 11,618 shares of common stock with a grant date fair value of $0.2 million to its non-employee directors under the 2023 Equity Plan. The RSUs and NSOs granted to non-employee directors will typically vest over a one-year period.Stock-based compensation is included in cost of revenue or operating expenses, as applicable, and consists of the following: Â Â  Three Months Ended Â Â  Nine Months Ended Â Â Â  September 30, Â Â  September 30, Â Â Â  2024 Â Â  2023 Â Â  2024 Â Â  2023 Â Â Â  (In thousands) Â Â  (In thousands) Â  Cost of product revenue Â  $ 186 Â Â  $ 93 Â Â  $ 545 Â Â  $ 420 Â  Research and development expenses Â Â  188 Â Â Â  255 Â Â Â  891 Â Â Â  510 Â  Sales and marketing expenses Â Â  456 Â Â Â  378 Â Â Â  1,241 Â Â Â  1,110 Â  General and administrative expenses Â Â  1,800 Â Â Â  2,063 Â Â Â  7,630 Â Â Â  5,726 Â  Total stock-based compensation Â  $ 2,630 Â Â  $ 2,789 Â Â  $ 10,307 Â Â  $ 7,766 Â Â  16 Â  The 2023 Equity Plan was approved by stockholders at the Companyâ€™s annual meeting of stockholders on June 1, 2023 as the successor to the Companyâ€™s 2014 Employee, Director and Consultant Equity Incentive Plan (the 2014 Equity Plan), and no further awards may be made under the 2014 Equity Plan after that date. As of September 30, 2024, 5,012,394 shares of common stock were reserved for issuance upon the exercise or vesting of outstanding stock-based awards granted under the Companyâ€™s equity

incentive plans. Any cancellations or forfeitures of awards outstanding under the 2023 Equity Plan, the 2014 Equity Plan or the 2001 Equity Incentive Plan, as amended (the 2001 Equity Plan) will result in the shares reserved for issuance pursuant to such awards becoming available for grant under the 2023 Equity Plan. As of September 30, 2024, the Company has either reserved in connection with statutory tax withholdings or issued a total of 6,609,298 shares under the Companyâ€™s equity incentive plans. As of September 30, 2024, there were 2,180,098 shares of common stock available for future grant under the 2023 Equity Plan.On March 5, 2024, the Compensation and Leadership Development Committee (the Committee) of the Board of Directors of the Company approved the cancellation of the outstanding, unearned portion of the performance-based restricted shares granted to certain employees pursuant to the 2014 Equity Plan on June 29, 2021 (to Donald R. Young) and June 2, 2022 (to certain other employees). The Committee determined that based on current market conditions, the likelihood of achievement of any of the remaining performance hurdles applicable to the unearned restricted shares is remote, and that the unearned restricted shares therefore had ceased to have incentive value for the grantees. On March 6, 2024, the Company entered into cancellation agreements, pursuant to which the applicable employees agreed to such cancellation. The cancelled unearned restricted shares were added to the number of shares available for awards under the Companyâ€™s 2023 Equity Incentive Plan. For financial accounting purposes, the cancellation of the unearned restricted shares resulted in the immediate charge of approximately $2.2 million of unamortized stock compensation costs of which $2.0 million is included in the general and administrative expenses and $0.2 million is included in research and development expenses in the accompanying consolidated statement of operations. (13) Net Income (Loss) Per ShareThe computation of basic and diluted net income (loss) per share consists of the following:Â Â Â Three Months Ended Â Â Nine Months Ended Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands, exceptshare and per share data) Â Numerator: Â Â Â Â Â Â Â Â Â Â Â Â Net income (loss) Â $ (12,970 ) Â $ (13,073 ) Â $ 2,013 Â Â $ (45,292 ) Denominator: Â Â Â Â Â Â Â Â Â Â Â Â Weighted average shares outstanding, basic Â Â 76,261,294 Â Â Â 69,317,805 Â Â Â 76,402,123 Â Â Â 69,243,843 Â Weighted average shares outstanding, diluted Â Â 76,261,294 Â Â Â 69,317,805 Â Â Â 79,149,193 Â Â Â 69,243,843 Â Net income (loss) per share, basic Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Net income (loss) per share, diluted Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Â Potentially dilutive common shares that were excluded from the computation of diluted net (loss) income per share because they were anti-dilutive consist of the following:Â Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Common stock options Â Â 4,453,006 Â Â Â 5,462,015 Â Â Â 110,900 Â Â Â 5,462,015 Â Restricted common stock units Â Â 559,389 Â Â Â 568,469 Â Â Â 1,957 Â Â Â 568,469 Â Restricted common stock awards Â Â 13,264 Â Â Â 889,366 Â Â Â 824 Â Â Â 889,366 Â Convertible note, if converted Â Â â€” Â Â Â 3,862,221 Â Â Â â€” Â Â Â 3,862,221 Â Total Â Â 5,025,659 Â Â Â 10,782,071 Â Â Â 113,681 Â Â Â 10,782,071 Â The potential dilutive shares from common stock options, restricted common stock units, restricted common stock awards, and the convertible note were excluded from the calculation of diluted net income (loss) per share because their effect would have been 17 Â anti-dilutive for the periods presented. The Company excludes the shares issued in connection with restricted stock awards from the calculation of basic weighted average common shares outstanding until the restrictions lapse. (14) Income TaxesThe Company incurred net operating loss and income for the three and nine months ended September 30, 2024, respectively. The Company incurred net operating losses and recorded a full valuation allowance against net deferred tax assets for all prior periods. Accordingly, the Company has not recorded a provision for federal or state income taxes for the three and nine months ended September 30, 2024. The Company has provided $0.3 million of income tax expense related to its Mexican maquiladora operations for the three months ended September 30, 2024. The Company has provided $1.9 million of income tax expense related to its Mexican maquiladora operations for the nine months ended September 30, 2024. (15) Segment InformationOperating segments are identified as components of an enterprise about which separate, discrete financial information is available for evaluation by the chief operating decision maker in making decisions on how to allocate resources and assess performance. The Companyâ€™s chief operating decision maker is the Chief Executive Officer. The Companyâ€™s chief operating decision maker reviews consolidated operating results to make decisions about allocating resources and assessing performance for the entire Company. The Company reports two segments: Energy Industrial and Thermal Barrier. The Company evaluates segment performance based on the segment profit (loss) before corporate expenses.Summarized below are the Revenue and Segment Operating Profit for each reporting segment:Â Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Â Three Months Ended Â Â Three Months Ended Â Â Nine Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Â (In thousands) Â Energy industrial Â $ 26,776 Â Â $ 27,912 Â Â $ 10,733 Â Â $ 5,825 Â Â $ 92,781 Â Â $ 97,311 Â Â $ 37,750 Â Â $ 24,246 Â Thermal barrier Â Â 90,564 Â Â Â 32,843 Â Â Â 38,310 Â Â Â 7,985 Â Â Â 236,830 Â Â Â 57,188 Â Â Â 98,014 Â Â Â 3,057 Â Total Â $ 117,340 Â Â $ 60,755 Â Â $ 49,043 Â Â $ 13,810 Â Â $ 329,611 Â Â $ 154,499 Â Â $ 135,764 Â Â $ 27,303 Â Corporate expenses Â Â Â Â Â Â Â Â Â Â Â Â 31,643 Â Â Â 28,444 Â Â Â Â Â Â Â Â Â Â Â Â 95,942 Â Â Â 77,889 Â Operating profit (loss) Â Â Â Â Â Â Â Â Â Â Â Â 17,400 Â Â Â (14,634 ) Â Â Â Â Â Â Â Â Â Â Â Â 39,822 Â Â Â (50,586 ) Other (expense) income, net Â Â Â Â Â Â Â Â Â Â Â Â (30,103 ) Â Â 1,561 Â Â Â Â Â Â Â Â Â Â Â Â (35,920 ) Â Â 5,294 Â Income tax expense Â Â Â Â Â Â Â Â Â Â Â Â (267 ) Â Â - Â Â Â Â Â Â Â Â Â Â Â Â (1,889 ) Â Â - Â Net income (loss) Â Â Â Â Â Â Â Â Â Â Â Â $ (12,970 ) Â $ (13,073 ) Â Â Â Â Â Â Â Â Â Â Â Â $ 2,013 Â Â $ (45,292 ) Â Â Â Total Assets Â Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Energy industrial Â $ 97,575 Â Â $ 93,168 Â Thermal barrier Â Â 172,582 Â Â Â 118,565 Â Total assets of reportable segments Â Â 270,157 Â Â Â 211,733 Â Construction in progress Â Â 344,041 Â Â Â 314,678 Â All other corporate assets Â Â 168,389 Â Â Â 176,637 Â Â Â $ 782,587 Â Â $ 703,048 Â Â 18 Â (16) Subsequent EventsThe Company has evaluated subsequent events through November 7, 2024, the date of issuance of the consolidated financial statements for the three and nine months ended September 30, 2024. In October 2024, the Company entered into an underwriting agreement (the Underwriting Agreement) with Goldman Sachs & Co. LLC and Morgan Stanley & Co. LLC (collectively, the Underwriters), pursuant to which the Company issued and sold an aggregate of 4,887,500 shares of the Companyâ€™s common stock, which included 637,500 shares pursuant to the Underwritersâ€™ option to purchase additional shares of common stock of the Company, to the Underwriters in a registered underwritten offering (the â€œOfferingâ€). The price to the public in the Offering was $20.00 per share. The net proceeds to the Company from the Offering were approximately $93.2 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by the Company. 19 Â Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations. The following information should be read in conjunction with the unaudited financial information and the notes thereto included in this Quarterly Report on Form 10-Q and the audited financial information and the notes thereto included in the Annual Report on Form 10-K for the year ended December 31, 2023, filed with the U.S. Securities and Exchange Commission (SEC) on March 7, 2024, which we refer to as the Annual Report. Certain matters discussed in this Quarterly Report on Form 10-Q may be deemed to be forward-looking statements that involve risks and uncertainties. We make such forward-looking statements pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and other federal securities laws. In this Quarterly Report on Form 10-Q, words such as â€œmay,â€ â€œwill,â€ â€œanticipate,â€ â€œestimate,â€ â€œexpects,â€ â€œprojects,â€ â€œintends,â€ â€œplans,â€ â€œbelievesâ€ and similar expressions (as well as other words or expressions referencing future events, conditions or circumstances) are intended to identify forward-looking statements. Our actual results and the timing of certain events may differ materially from the results discussed, projected, anticipated, or indicated in any forward-looking statements. We caution you that forward-looking statements are not guarantees of future performance and that our actual results of operations, financial condition and liquidity, and the development of the industry in which we operate may differ materially from the forward-looking statements contained in this Quarterly Report on Form 10-Q. In addition, even if our results of operations, financial condition and liquidity, and the development of the industry in which we operate are consistent with the forward-looking statements contained in this Quarterly Report on Form 10-Q, they may not be predictive of results or developments in future periods. The following information and any forward-looking statements should be considered in light of factors discussed elsewhere in this Quarterly Report on Form 10-Q and under â€œRisk Factorsâ€ in Item 1A of the Annual Report. We caution readers not to place undue reliance on any forward-looking statements made by us, which speak only as of the date they are made. We disclaim any obligation, except as specifically required by law and the rules of the SEC, to publicly update or revise any such statements to reflect any change in our expectations or in events, conditions or circumstances on which any such statements may be based, or that may affect the likelihood that actual results will differ from those set forth in the forward-looking statements. You should read the following discussion and analysis of financial condition and results of operations together with Part I Item 1 â€œFinancial Statements,â€ which includes our financial statements and related notes, elsewhere in this Quarterly Report on Form 10-Q. Investors and others should note that we routinely use the Investors section of our website to announce material information to investors and the marketplace. While not all of the information that we post on the Investors section of our website is of a material nature, some information could be deemed to be material. Accordingly, we encourage investors, the media, and others interested in us to review the information that we share on the Investors section of our website, https://www.aerogel.com. Products Â Our core businesses are organized into two reportable segments: Energy Industrial and Thermal Barrier. The following describes our key product offerings and new product innovations by reportable segment. Thermal Barrier We are actively developing a number of promising aerogel products and technologies for the electric vehicle (EV) market. We have developed and are commercializing our proprietary line of PyroThinÂ® aerogel thermal barriers for use in battery packs in EVs. Our PyroThin product is an ultra-thin, lightweight and flexible thermal barrier designed with other functional layers to impede the propagation of thermal runaway across multiple lithium-ion battery system architectures. Our thermal barrier technology is designed to offer a unique combination of thermal management, mechanical performance and fire protection properties. These properties enable EV manufacturers to achieve critical battery performance and safety goals. In addition, we are seeking to leverage our patented carbon aerogel technology to develop industry-leading battery materials for use in lithium-ion battery cells. These battery materials have the potential to increase the energy density of the battery cells, thus enabling an increase in the driving range of EVs. The commercial potential for our PyroThin thermal barriers and our carbon aerogel battery materials in the EV market is significant. Accordingly, we are hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity, establishing an automated thermal barrier fabrication operation, enhancing research and development resources and expanding our battery material research facilities, among other items. 20 Â We have entered into production contracts with certain major OEMs, including General Motors LLC (GM), to supply fabricated, multi-part thermal barriers for use in the battery system of its next-generation EVs. Pursuant to the contracts with GM, we are obligated to supply the barriers at fixed annual prices and at volumes to be specified by the customer up to a daily maximum quantity through the term of the agreements, which expire at various times from 2026 through 2034. While GM has agreed to purchase its requirement for the barriers from us at locations to be designated from time to time, it has no obligation to purchase any minimum quantity of barriers under the contracts. In addition, GM may terminate the contracts any time and for any or no reason. All other terms of the contracts are generally consistent with GMâ€™s standard purchase terms, including quality and warranty provisions customary in the automotive industry. We have also entered into production contracts with Toyota, Scania, Audi, a luxury brand of the Volkswagen Group, ACC, a battery cell joint venture between Stellantis N.V, Saft-TotalEnergies and Mercedes-Benz, and a large EU battery manufacturer to supply a next generation vehicle platform of a major EU luxury sports car brand. Energy Industrial We also design, develop and manufacture innovative, high-performance aerogel insulation used primarily in the energy industrial and sustainable insulation materials markets. We believe our aerogel blankets deliver the best thermal performance of any widely used insulation product available on the market today and provide a combination of performance attributes unmatched by traditional insulation materials. Our end-user customers select our products where thermal performance is critical and to save money, improve resource efficiency, enhance sustainability, preserve operating assets and protect workers. Our insulation is used by oil producers and the owners and operators of refineries, petrochemical plants, LNG facilities, power generating assets and other energy industrial companies. Our PyrogelÂ® and CryogelÂ® product lines have undergone rigorous technical validation by industry leading end-users and achieved significant market adoption. We also derive revenue from a number of other end markets. Customers in these markets use our products for applications as diverse as military and commercial aircraft, trains, buses, appliances, apparel, footwear and outdoor gear. As we continue to enhance our Aerogel Technology PlatformÂ®, we believe we will have additional opportunities to address high-value applications in the global insulation market, and in a number of new, high-value markets, including hydrogen energy, filtration, water purification, and gas sorption. We market and sell our products primarily through a sales force based in North America, Europe and Asia. The efforts of our sales force are supported by a small number of sales consultants with extensive knowledge of a particular market or region. Our sales force is responsible for establishing and maintaining customer and partner relationships, delivering highly technical information and ensuring high-quality customer service. Our salespeople work directly with end-user customers and engineering firms to promote the qualification, specification and acceptance of our aerogel and thermal barrier products. We also rely on an existing and well-established channel of qualified insulation distributors and contractors in more than 50 countries around the world to ensure rapid delivery of our aerogel products and strong end-user support. Manufacturing Operations We manufacture our products using our proprietary technology at our facility in East Providence, Rhode Island. We have operated the East Providence facility since 2008 and have increased our capacity in phases. To meet expected growth in demand for our aerogel products in the EV market, we have been in the process of expanding our aerogel blanket capacity by constructing a second manufacturing plant in Bulloch County, Georgia. However, in order to manage the development of the second plant so that its increased capacity comes online in a manner that aligns with our current expectations as to demand from our EV customers, we are extending the timeframe for construction and commissioning of the second plant until such time as its capacity is supported by increased demand. In the meantime, and until we ramp up construction, we believe that productivity improvements in our existing Rhode Island facility combined with our supplemental supply of our energy industrial products from an external manufacturing facility in China will permit us to achieve our target revenue capacity in 2024 and prior to the completion and start-up of the second plant. At present, we have engaged one third-party external manufacturing facility in China to produce certain of our Energy Industrial products. Pursuant to our supply contract with this contract manufacturer, they are obligated to deliver products to us as we issue purchase orders on an as-needed basis through the term of the agreement. The contract automatically renews year-to-year unless either party notifies the other of its intention not to renew the contract. While we have agreed to purchase our requirement for certain Energy Industrial products from the contract manufacturer, we have no obligation to purchase any minimum quantity under the contract and we may terminate the contract at any time and for any or no reason. Additionally, we have entered into a contract with Prodensa Servicios de Consultora (Prodensa) to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico, (OPE) which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. Pursuant to such contract, we pay Prodensa a management fee and have an option to purchase OPE from Prodensa after a period of 18 months. 21 Â Recent Developments Underwritten Offering In October 2024, we entered into an underwriting agreement (the Underwriting Agreement) with Goldman Sachs & Co. LLC and Morgan Stanley & Co. LLC (collectively, the Underwriters), pursuant to which we issued and sold an aggregate of 4,887,500 shares of our common stock, which included 637,500 shares pursuant to the Underwritersâ€™ option to purchase additional shares of our common stock, to the Underwriters in a registered underwritten offering (the â€œOfferingâ€). The price to the public in the Offering was $20.00 per share. The net proceeds to us from the Offering were approximately $93.2 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by us. U.S. Department of Energy Loan Programs Office On October 16, 2024, we announced that the U.S. Department of Energy (DOE) Loan Programs Office provided us a conditional commitment for a proposed loan of up to $670.6 million (the Loan) under the Advanced Technology Vehicles Manufacturing (ATVM) loan program within DOEâ€™s Loan Programs Office (LPO) for financing the construction of our planned second aerogel manufacturing facility (the Statesboro Plant) in Statesboro, Georgia. Aspen Aerogels Georgia, LLC, a subsidiary of Aspen Aerogels, Inc, is the intended borrower of the Loan. The Loan would be structured as project financing, providing for repayment commencing upon project commissioning. The interest rate will be the applicable U.S. Treasury Rate at the time of each cash draw. While this conditional commitment indicates the DOEâ€™s intent to finance the project, the DOE and the Company must satisfy certain technical, legal, environmental, and financial conditions before the DOE enters into definitive financing documents and funds the loan. We had previously estimated the cost of the Statesboro Plant to be approximately $710.0 million. Adjusting the estimated cost to account for the right-timing of construction, inflation, and a revised scope that reflects recent process improvements, we have revised our aggregate cost estimate to a range of approximately $800.0 million to $960.0 million. The prospective DOE loan is intended to fully fund our remaining spend on the construction of the plant, following and assuming the expected closing of the Loan. The receipt by us of the conditional commitment from the DOE in respect of the Loan is not an assurance that definitive financing documents will be negotiated and entered into, that the terms and conditions of the Loan will be consistent with the terms contemplated in the conditional commitment, or that all technical, legal, environmental and financial conditions will be achieved and satisfied. The outcome of the process with the DOE relating to the Loan and

the Company's ability to draw and utilize such funds towards the construction of the Statesboro Plant is dependent on whether the DOE determines to proceed with the definitive financing documents and under what conditions. There can be no assurance as to the outcome of these decisions and the terms and conditions of the financing documents that may be offered, if any. See the section titled â€œRisk Factorsâ€”Risks Related to Our Business and Strategyâ€”We are dependent upon our ability to close on and fully draw down on our proposed loan facility from the United States Department of Energy, which may restrict our ability to conduct our business.â€ MidCap Loan Facility On August 19, 2024, we and Aspen Aerogels Rhode Island, LLC, a Rhode Island limited liability company (Aspen RI and, together with the Company, each, a Borrower and collectively, the â€œBorrowersâ€) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility), by and among the Borrowers, MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as additional guarantors and/or borrowers from time to time. The proceeds of the MidCap Loan Facility were used in connection with the transaction contemplated by the Note Repurchase Agreement (as defined below), the payment of related fees and expenses and for working capital of the Company and its subsidiaries. Loans borrowed under the MidCap Loan Facility mature on August 19, 2029. The MidCap Loan Facility is comprised of (i) a term loan facility in an aggregate principal amount of $125.0 million (the Term Loan Facility) and (ii) an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of (A) a $100.0 million commitment amount and (B) the value of the borrowing base (defined as the sum of (x) 85% of certain eligible accounts of the Borrowers and (y) the lesser of 85% of the NOLV or 85% of the cost of certain eligible inventory of the Borrowers) (the Revolving Facility). Loans borrowed under the Term Loan Facility will bear an interest rate equal to Term SOFR (as defined in the Credit Agreement) for a one-month interest period plus 4.50% per year, subject to a Term SOFR floor of 4.50% and a Term SOFR cap of 7.50%. Loans borrowed under the Revolving Facility will bear an interest rate equal to Term SOFR plus 4.60% per year, subject to a Term SOFR floor of 2.50%. The Term Loan Facility is subject to amortization of principal, payable quarterly on the last day of each quarter, commencing September 30, 2024, in an amount as set forth in the Credit Agreement with the remaining aggregate principal amount payable on the maturity date. The Revolving Facility has a required minimum balance set at 30% of the average borrowing 22 Â  base during the immediate preceding month. The Borrowers are required to pay the Lenders under the Revolving Facility an unused line fee of 0.30% of the average unused availability under the Revolving Facility, subject to the aforementioned minimum balance. Repurchase of Convertible Note On August 19, 2024, we entered into a note purchase and sale agreement (the Note Repurchase Agreement) with Wood River Capital, LLC (Wood River), an entity affiliated with Koch Disruptive Technologies, LLC, pursuant to which we repurchased from Wood River $123.9 million in aggregate capitalized principal amount (inclusive of PIK interest paid through June 30, 2024) of Convertible Senior PIK Toggle Notes due 2027, dated February 18, 2022, as amended by Amendment No. 1 to Convertible Senior PIK Toggle Notes due 2027, dated November 28, 2022 (the Convertible Note), such aggregate amount being the entire outstanding amount of the Convertible Note, for a total purchase price of $150.1 million in cash, which amount equals to the Redemption Price (as defined in the Convertible Note). Pursuant to the Note Repurchase Agreement, all rights and obligations, covenants and agreements under the Convertible Note and the underlying note purchase agreement were satisfied and discharged. Financial Summary Our revenue for the nine months ended September 30, 2024 was $329.6 million, which represented an increase of $175.1 million, or 113%, from $154.5 million for the nine months ended September 30, 2023. Net income for the nine months ended September 30, 2024 was $2.0 million and net loss per share was $0.03. Net loss for the nine months ended September 30, 2023 was $45.3 million and net loss per share was $0.65. Key Metrics and Non-GAAP Financial Measures We regularly review a number of metrics, including the following key metric, to evaluate our business, measure our performance, identify trends affecting our business, formulate financial projections and make strategic decisions. Adjusted EBITDA We use Adjusted EBITDA, a non-GAAP financial measure, as a means to assess our operating performance. We define Adjusted EBITDA as net income (loss) before interest expense, taxes, depreciation, amortization, stock-based compensation expense and other items, from time to time, which we do not believe are indicative of our core operating performance. Adjusted EBITDA is a supplemental measure of our performance that is not presented in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP). Adjusted EBITDA should not be considered as an alternative to net income (loss) or any other measure of financial performance calculated and presented in accordance with U.S. GAAP. In addition, our definition and presentation of Adjusted EBITDA may not be comparable to similarly titled measures presented by other companies. We use Adjusted EBITDA: â€¢as a measure of operating performance because it does not include the impact of items that we do not consider indicative of our core operating performance; â€¢for planning purposes, including the preparation of our annual operating budget; â€¢to allocate resources to enhance the financial performance of our business; and â€¢as a performance measure used under our bonus plan. We also believe that the presentation of Adjusted EBITDA provides useful information to investors with respect to our results of operations and in assessing the performance and value of our business. Various measures of EBITDA are widely used by investors to measure a companyâ€™s operating performance without regard to items that can vary substantially from company to company depending upon financing and accounting methods, book values of assets, capital structures and the methods by which assets were acquired. Although measures similar to Adjusted EBITDA are frequently used by investors and securities analysts in their evaluation of companies, we understand that Adjusted EBITDA has limitations as an analytical tool, and you should not consider it in isolation or as a substitute for net income (loss), income (loss) from operations, net cash provided by (used in) operating activities or an analysis of our results of operations as reported under U.S. GAAP. Some of these limitations are: â€¢Adjusted EBITDA does not reflect our historical cash expenditures or future requirements for capital expenditures or other contractual commitments; 23 Â  â€¢Adjusted EBITDA does not reflect changes in, or cash requirements for, our working capital needs; â€¢Adjusted EBITDA does not reflect stock-based compensation expense; â€¢Adjusted EBITDA does not reflect our income tax expense or cash requirements to pay our income taxes; â€¢Adjusted EBITDA does not reflect our interest expense, or the cash requirements necessary to service interest or principal payments on our debt; â€¢although depreciation, amortization and impairment charges are non-cash charges, the assets being depreciated, amortized or impaired will often have to be replaced in the future, and Adjusted EBITDA does not reflect any cash requirements for these replacements; and â€¢other companies in our industry may calculate EBITDA or Adjusted EBITDA differently than we do, limiting their usefulness as a comparative measure. Because of these limitations, our Adjusted EBITDA should not be considered as a measure of discretionary cash available to us to reinvest in the growth of our business or as a measure of cash available for us to meet our obligations. To properly and prudently evaluate our business, we encourage you to review the U.S. GAAP financial statements included elsewhere in this Quarterly Report on Form 10-Q, and not to rely on any single financial measure to evaluate our business. The following table presents a reconciliation of net income (loss), the most directly comparable U.S. GAAP measure, to Adjusted EBITDA for the periods presented: Â  Â  Â  Three Months Ended Â  Â  Nine Months Ended Â  Â  Â  September 30, Â  Â  September 30, Â  Â  Â  2024 Â  Â  2023 Â  Â  2024 Â  Â  2023 Â  Â  Â  (In thousands) Â  Net income (loss) Â  $ (12,970 ) Â  $ (13,073 ) Â  $ 2,013 Â  Â  $ (45,292 ) Depreciation and amortization Â  Â  5,321 Â  Â  Â  4,550 Â  Â  Â  17,093 Â  Â  Â  10,757 Â  Stock-based compensation(1) Â  Â  2,630 Â  Â  Â  2,789 Â  Â  Â  10,307 Â  Â  Â  7,766 Â  Other expense (income) Â  Â  2,616 Â  Â  Â  (1,561 ) Â  Â  8,433 Â  Â  Â  (5,294 ) Loss on extinguishment of debt Â  Â  27,487 Â  Â  Â  - Â  Â  Â  27,487 Â  Â  Â  - Â  Income tax expense Â  Â  267 Â  Â  Â  - Â  Â  Â  1,889 Â  Â  Â  - Â  Adjusted EBITDA Â  $ 25,351 Â  Â  $ (7,295 ) Â  $ 67,222 Â  Â  $ (32,063 ) Â  (1)Represents non-cash stock-based compensation related to vesting and modifications of stock option grants, vesting of restricted stock units and vesting of restricted common stock. Our financial performance, including such measures as net income (loss), earnings per share and Adjusted EBITDA, are affected by a number of factors including volume and mix of aerogel products sold, average selling prices, our material costs and manufacturing expenses, the costs associated with capacity expansions and start-up of additional production capacity, and the amount and timing of operating expenses. Accordingly, we expect that our net income (loss), earnings per share and Adjusted EBITDA will vary from period to period. We expect to maintain strong revenue growth during 2024 driven by accelerating demand in the EV market and continued market share gains in the sustainable insulation materials market. Our expectation to maintain strong revenue growth is based, in part, on our OEM customersâ€™ production volume forecasts and targets as well as our expectation to successfully scale our manufacturing capabilities and address any potential supply chain issues to meet this expected demand. As a result, we expect to experience a decrease in both net loss and negative Adjusted EBITDA during 2024, compared to 2023. Components of Our Results of Operations Revenue We recognize revenue from the sale of our energy industrial aerogel products and thermal barriers. Revenue is recognized upon the satisfaction of contractual performance obligations. We record deferred revenue for sales when (i) we have delivered products, but other revenue recognition criteria have not been satisfied, or (ii) payments have been received in advance of the completion of required performance obligations. 24 Â  We project revenue growth during 2024 due to accelerating demand in the EV market and continued market share gains in the sustainable insulation materials market. Cost of Revenue Cost of product revenue consists primarily of materials and manufacturing expense. Cost of product revenue is recorded when the related product revenue is recognized. Material is a significant component of cost of product revenue and includes fibrous batting, silica materials and additives. Material costs as a percentage of product revenue vary from product to product due to differences in average selling prices, material requirements, product thicknesses, and manufacturing yields. In addition, we provide warranties for our products and record the estimated cost within cost of revenue in the period that the related revenue is recorded or when we become aware that a potential warranty claim is probable and can be reasonably estimated. As a result of these factors, material costs as a percentage of product revenue will vary from period to period due to changes in the mix of aerogel products sold, the costs of our raw materials or the estimated cost of warranties. In addition, global supply chain disturbances, increased reliance on foreign materials procurement, industrial gas supply constraints, increases in the cost of our raw materials, engineering changes, higher prototype sales and other factors may significantly impact our material costs and have a material impact on our operations. We expect that material costs will increase in absolute dollars during 2024 due to projected growth in product shipments and contracts but remain stable as a percentage of revenue due to improved manufacturing, and fabrication yields and a favorable mix of products sold. Manufacturing expense is also a significant component of cost of revenue. Manufacturing expense includes labor, utilities, maintenance expense, and depreciation on manufacturing assets. Manufacturing expense also includes stock-based compensation of manufacturing employees and shipping costs. We expect that manufacturing expense will increase in absolute dollars and decrease as a percentage of revenue during 2024 due to increased staffing costs and spending levels in support of our thermal barrier business, including the operation of an automated fabrication facility in Monterrey, Mexico. We are also continuing to monitor the impact on our material costs, manufacturing expense, and cost of product revenue from engaging one or more external manufacturing facilities in China to supply our aerogel products for the energy industrial market beginning in 2024. We expect that our energy industrial product material costs will increase in absolute dollars and as a percentage of revenue, and manufacturing expense and cost of revenue will decrease as a percentage of revenue due to projected volume growth, which will be manufactured through the external manufacturing facility. During 2024, we expect that cost of product revenue will increase in absolute dollars due to projected volume growth and a planned increase in staffing and spending levels, but decrease as a percentage of product revenue due to projected increases in average selling prices, improved manufacturing and fabrication yields and a favorable mix of products sold. Gross Profit Our gross profit as a percentage of revenue is affected by a number of factors, including the volume of products produced and sold, the mix of products sold, average selling prices, our material and manufacturing costs, realized capacity utilization and the costs associated with expansions and start-up of production capacity. Accordingly, we expect our gross profit to vary significantly in absolute dollars and as a percentage of revenue from period to period. During 2024, we expect gross profit to increase in both absolute dollars and as a percentage of total revenue due to the combination of a projected increase in total revenue combined with projected reduction in material costs and manufacturing expense as a percentage of total revenue. In the longer term, we expect gross profit to improve in absolute dollars and as a percentage of revenue due to expected increases in total revenue, production volumes and manufacturing productivity. In addition, we expect the gross profit improvement derived from the increases in revenue, volume and productivity will be supported by the continued implementation of lower cost product formulations and realization of material purchasing efficiencies. Operating Expenses Operating expenses consist of research and development, sales and marketing, and general and administrative expenses. Operating expenses include personnel costs, legal fees, professional fees, service fees, insurance premiums, travel expense, facilities related costs and other costs, expenses and fees. The largest component of our operating expenses is personnel costs, consisting of 25 Â  salaries, benefits, incentive compensation and stock-based compensation. In any particular period, the timing and extent of personnel additions or reductions, legal activities, including patent enforcement actions, marketing programs, research efforts and a range of similar activities or actions could materially affect our operating expenses, both in absolute dollars and as a percentage of revenue. Research and Development Expenses Research and development expenses consist primarily of expenses for personnel engaged in the development of next generation aerogel compositions, form factors and manufacturing technologies. These expenses also include testing services, prototype expenses, consulting services, trial formulations for new products, equipment depreciation, facilities costs and related overhead. We expense research and development costs as incurred. We expect to continue to devote substantial resources to the development of new aerogel technologies, including our carbon aerogel battery materials. We believe that these investments are necessary to maintain and improve our competitive position. We also expect to continue to invest in research and engineering personnel and the infrastructure required in support of their efforts. We expect our research and development expenses will increase in absolute dollars and decrease as a percentage of revenue in 2024 and the longer term. Sales and Marketing Expenses Sales and marketing expenses consist primarily of personnel costs, incentive compensation, marketing programs, costs of new product and process introductions, travel and related costs, consulting expenses and facilities related costs. We expect our sales and marketing expenses will increase in absolute dollars but decrease as a percentage of revenue in 2024 and in the longer term. General and Administrative Expenses General and administrative expenses consist primarily of personnel costs, legal expenses, consulting and professional services, audit fees, compliance with securities, corporate governance and related laws and regulations, investor relations and insurance premiums, including director and officer insurance. We expect our general and administrative expenses to increase as we add general and administrative personnel to support the anticipated growth of our business. We also expect that the patent enforcement actions, described in more detail under â€œLegal Proceedingsâ€ in Part I, Item 3 of our Annual Report and â€œLegal Proceedingsâ€ in Part II, Item 1 of this Quarterly Report on Form 10-Q, if protracted, could result in significant legal expense over the medium to long-term. We expect that our general and administrative expenses will increase in absolute dollars and decrease as a percentage of revenue. Interest Expense, Convertible Note - Related Party Interest expense, convertible note - related party is net of the capitalized interest related to the $100.0 million in aggregate principal amount of our Convertible Senior PIK Toggle Notes due 2027, which we sold and issued to Wood River. Interest Income (Expense) Interest expense consists of interest expense and amortization or write-off of deferred financing costs related to our other financing arrangements including a failed sale and leaseback arrangement accounted as a financing transaction and interest earned on the cash balances invested in deposit accounts, money market accounts, and high-quality debt securities issued by the U.S. government. Provision for Income Taxes We have incurred annual net losses since inception and have not recorded benefit provisions for U.S. federal income taxes or state income taxes since the tax benefits of our net losses have been offset by valuation allowances due to the uncertainty associated with the utilization of net operating loss carryforwards. We record tax expenses in connection with our Mexican maquiladora operations. 26 Â  Results of Operations Three months ended September 30, 2024 compared to the three months ended September 30, 2023 The following tables set forth a comparison of the components of our results of operations for the periods presented: Revenue Â  Â  Three Months Ended September 30, Â  Â  Â  Â  Â  Â  2024 Â  2023 Â  Change Â  Â  Â  Â  Â  Percentage Â  Â  Â  Â  Â  Percentage Â  Â  Â  Â  Â  Â  Amount Â  Â  of Revenue Â  Amount Â  Â  of Revenue Â  Amount Â  Â  Percentage Â  Â  ($ in thousands) Revenue: Â  Â  Â  Â  Â  Â  Â  Â  Â  Â  Â  Â  Â  Â  Energy industrial Â  $ 26,776 Â  Â  23% Â  $ 27,912 Â  Â  46% Â  $ (1,136 ) Â  (4)% Thermal barrier Â  Â  90,564 Â  Â  77% Â  Â  32,843 Â  Â  54% Â  Â  57,721 Â  Â  176% Total revenue Â  $ 117,340 Â  Â  100% Â  $ 60,755 Â  Â  100% Â  $ 56,585 Â  Â  93% Total revenue increased $56.5 million, or 93%, to $117.3 million for the three months ended September 30, 2024 from $60.8 million in the comparable period in 2023. The increase in total revenue was the result of an increase in thermal barrier revenue, offset by a decrease in energy industrial revenue. Energy industrial revenue decreased by $1.2 million, or 4%, to $26.7 million for the three months ended September 30, 2024 from $27.9 million in the comparable period in 2023. This decrease was driven by a decrease in project-based demand in the subsea market and the global petrochemical and refinery markets of Asia, offset in part by an increase in the global petrochemical and refinery markets of Latin America, Europe, and North America. Energy industrial revenue for the three months ended September 30, 2024 included $5.6 million to a North American distributor, in comparison to $8.0 million for the comparable period of 2023. The average selling price per square foot of our energy industrial products increased by 6% for the three months ended September 30, 2024, compared to the three months ended September 30, 2023. The increase in average selling price reflected the impact of price increases enacted in 2024 and a change in the mix of products sold, as we strive to maximize capacity in our aerogel manufacturing facility. This increase in average selling price had the effect of increasing product revenue by $1.4 million for the three months ended

September 30, 2024 from the comparable period in 2023. In volume terms, energy industrial product shipments decreased by 9% as measured by square feet of our energy industrial products shipped for the three months ended September 30, 2024, compared to the three months ended September 30, 2023. The decrease in volume had the effect of increasing product revenue by $2.5 million for the three months ended September 30, 2024 from the comparable period in 2023. Thermal barrier revenue was $90.5 million for the three months ended September 30, 2024 as compared to $32.8 million for the three months ended September 30, 2023. During the three months ended September 30, 2024 and 2023, thermal barrier revenue included $86.4 million and $29.5 million, respectively, to a major U.S. automotive OEM. 27 Â Cost of Revenue Â Â Â Three Months Ended September 30, Â Â Â Â Â Â 2024 2023 Change Â Â Â Â Â Percentageof Related Â Â Â Â Percentageof Related Â Â Â Â Â Â Â Amount Â Â Revenue Â Amount Â Â Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Cost of revenue: 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 Â Energy industrial Â $ 16,043 Â Â 60% Â $ 22,087 Â Â 79% Â $ (6,044 ) Â (27)% Thermal barrier Â Â 52,254 Â Â 58% Â Â 24,858 Â Â 76% Â Â 27,396 Â Â 110% Total cost of revenue Â $ 68,297 Â Â 58% Â $ 46,945 Â Â 77% Â $ 21,352 Â Â 45% Â Total cost of revenue increased $21.3 million, or 45%, to $68.2 million for the three months ended September 30, 2024 from $46.9 in the comparable period in 2023. The increase in total cost of revenue was the result of an increase in thermal barrier cost of revenue, offset by a decrease in energy industrial cost of revenue. Energy industrial cost of revenue decreased $6.0 million, or 27%, to $16.0 million for the three months ended September 30, 2024 from $22.0 million in the comparable period in 2023, primarily due to a decrease in the volume of products shipped. The $6.0 million decrease was the result of a $5.0 million decrease in manufacturing and other operating costs due to lower volume of Energy industrial products manufactured at our plant as we move manufacturing to the external manufacturing facility, and a $1.0 million decrease in material costs. Thermal barrier cost of revenue increased $27.3 million to $52.2 million for the three months ended September 30, 2024 as compared to $24.9 million for the three months ended September 30, 2023. The $27.3 million increase was the result of a $21.4 million increase in material costs and a $5.9 million increase in manufacturing costs, primarily driven by an increase in volume. Thermal barrier cost of revenue includes a credit of $2.2 million for reimbursement of costs related to the impact from an engineering change notified by a customer to a part that we manufacture for that customer. Gross Profit Â Â Three Months Ended September 30, Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Gross profit: 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 Â Energy industrial Â $ 10,733 Â Â 40% Â $ 5,825 Â Â 21% Â $ 4,908 Â Â 84% Thermal barrier Â Â 38,310 Â Â 42% Â Â 7,985 Â Â 24% Â Â 30,325 Â Â (380)% Total gross profit Â $ 49,043 Â Â 42% Â $ 13,810 Â Â 23% Â $ 35,233 Â Â 255% Gross profit increased by $35.2 million, or 255%, to $49.0 million for the three months ended September 30, 2024 from $13.8 million in the comparable period in 2023. The increase in gross profit was the result of the $56.5 million increase in total revenue, offset by the $21.3 million increase in total cost of revenue. Research and Development Expenses Â Â Three Months Ended September 30, Â Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Research and development expenses Â $ 4,591 Â Â 4% Â $ 4,218 Â Â 7% Â $ 373 Â Â 9% Research and development expenses increased by $0.4 million, or 9%, to $4.6 million for the three months ended September 30, 2024 from $4.2 million in the comparable period in 2023. The $0.4 million increase reflects increases in compensation and related costs of $0.2 million, operating supplies and testing of $0.1 million and other expenses of $0.1 million. Research and development expenses as a percentage of total revenue decreased to 4% of total revenue for the three months ended September 30, 2024 from 7% in the comparable period in 2023. 28 Â Sales and Marketing Expenses Â Â Three Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Sales and marketing expenses Â $ 9,306 Â Â 8% Â $ 8,386 Â Â 14% Â $ 920 Â Â 11% Sales and marketing expenses increased by $0.9 million, or 11%, to $9.3 million for the three months ended September 30, 2024 from $8.4 million in the comparable period in 2023. The $0.9 million increase was principally the result of increases in compensation and related costs of $0.4 million, professional fees of $0.3 million, and utilities expenses of $0.2 million. Sales and marketing expenses as a percentage of total revenue decreased to 8% of total revenue for the three months ended September 30, 2024 from 14% in the comparable period in 2023. General and Administrative Expenses Â Â Three Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) General and administrative expenses Â $ 17,746 Â Â 15% Â $ 15,840 Â Â 26% Â $ 1,906 Â Â 12% General and administrative expenses increased by $1.9 million, or 12%, to $17.7 million for the three months ended September 30, 2024 from $15.8 million in the comparable period in 2023. The $1.9 million increase was the result of increases in insurance costs of $0.8 million, utilities expenditures of $0.7 million, foreign currency transaction losses of $0.6 million, and professional fees of $0.3 million, offset in part by a decrease in compensation and related costs of $0.3 million and other expenses of $0.2 million. General and administrative expenses as a percentage of total revenue decreased to 15% for the three months ended September 30, 2024 from 26% in the comparable period in 2023. Other Income (Expense), net Â Â Three Months Ended September 30, Â Â Â Â Â Â Â 2024 Â Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Other income (expense): 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 Â Interest (expense), related party Â $ (1,469 ) Â (1)% Â Â $ (1,938 ) Â (3)% Â $ 469 Â Â (24)% Interest income (expense), net Â Â (1,147 ) Â (1)% Â Â Â 1,313 Â Â 2% Â Â Â (2,460 ) Â (187)% Loss on extinguishment of debt Â Â (27,487 ) Â (23)% Â Â Â â€” Â Â â€” Â Â (27,487 ) Â NM Income from Employee Retention Credits Â Â â€” Â Â Â â€” Â Â Â 2,186 Â Â 4% Â Â (2,186 ) Â (100)% Total other income (expense), net Â $ (30,103 ) Â (26)% Â Â $ 1,561 Â Â 3% Â $ (31,664 ) Â (2028)% Other income (expense), net decreased by $31.7 million to $30.1 million of other expense for the three months ended September 30, 2024 from $1.6 million of other income (expense), net in the comparable period in 2023. The $31.7 million decrease was the result of a $27.5 million loss on extinguishment of debt, a $0.9 million net impact of capitalized interest relating to our Convertible Note in the comparable period in 2023, a $2.2 million income from Employee Retention Credits in the comparable period in 2023 not repeated in 2024, and a $1.1 million increase of interest expense. 29 Â Income Tax Expense Â Â Three Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Income tax expense Â $ 267 Â Â 0% Â $ â€” Â Â 0% Â $ 267 Â Â NM The $0.3 million of income tax expense for the three months ended September 30, 2024 is related to our maquiladora operations in Mexico. We did not incur income tax expense for the comparable period in 2023. Results of Operations Nine months ended September 30, 2024 compared to the nine months ended September 30, 2023 The following tables set forth a comparison of the components of our results of operations for the periods presented: Revenue Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage of Â Â Â Â Percentage of Â Â Â Â Â Â Â Amount Â Â Revenue Â Amount Â Â Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Revenue: 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 Â Energy industrial Â $ 92,781 Â Â 28% Â $ 97,311 Â Â 63% Â $ (4,530 ) Â (5)% Thermal barrier Â Â 236,830 Â Â 72% Â Â 57,188 Â Â 37% Â Â 179,642 Â Â 314% Total revenue Â $ 329,611 Â Â 100% Â $ 154,499 Â Â 100% Â $ 175,112 Â Â 113% Total revenue increased $175.1 million, or 113%, to $329.6 million for the nine months ended September 30, 2024 from $154.5 million in the comparable period in 2023. The increase in total revenue was the result of an increase in thermal barrier revenue, offset by a decrease energy industrial revenue. Energy industrial revenue decreased by $4.5 million, or 5%, to $92.8 million for the nine months ended September 30, 2024 from $97.3 million in the comparable period in 2023. This decrease was driven by a decrease in revenue to the global petrochemical and refinery markets of Asia and project-based demand in the subsea market, offset in part by an a more favorable mix of product shipments in the global petrochemical and refinery markets in North America, Latin America and Europe. Energy industrial revenue for the nine months ended September 30, 2024 included $19.1 million to a North American distributor, in comparison to $27.6 million for the comparable period of 2023. The average selling price per square foot of our energy industrial products increased by 12% for nine months ended September 30, 2024, compared to the nine months ended September 30, 2023. The increase in average selling price reflected the impact of price increases enacted in 2023 and a change in the mix of products sold, as we strive to maximize capacity in our aerogel manufacturing facility. This increase in average selling price had the effect of increasing product revenue by $9.9 million for the nine months ended September 30, 2024 from the comparable period in 2023. In volume terms, energy industrial product shipments decreased by 15% as measured by square feet of our energy industrial products shipped for the nine months ended September 30, 2024, compared to the nine months ended September 30, 2023. The decrease in volume had the effect of decreasing product revenue by $14.5 million for the nine months ended September 30, 2024 from the comparable period in 2023. Thermal barrier revenue was $236.8 million for the nine months ended September 30, 2024 as compared to $57.2 million for the nine months ended September 30, 2023. During the nine months ended September 30, 2024 and 2023, thermal barrier revenue included $223.8 million and $49.0 million, respectively, to a major U.S. automotive OEM. 30 Â Cost of Revenue Â Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 2023 Change Â Â Â Â Â Percentageof Related Â Â Â Â Percentageof Related Â Â Â Â Â Â Â Amount Â Â Revenue Â Amount Â Â Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Cost of revenue: 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 Â Energy industrial Â $ 55,031 Â Â 59% Â $ 73,065 Â Â 75% Â $ (18,034 ) Â (25)% Thermal barrier Â Â 138,816 Â Â 59% Â Â 54,131 Â Â 95% Â Â 84,685 Â Â 156% Total cost of revenue Â $ 193,847 Â Â 59% Â $ 127,196 Â Â 82% Â $ 66,651 Â Â 52% Total cost of revenue increased $66.6 million, or 52%, to $193.8 million for the nine months ended September 30, 2024 from $127.2 million in the comparable period in 2023. The increase in total cost of revenue was the result of an increase in thermal barrier cost of revenue, offset by a decrease in energy industrial cost of revenue. Energy industrial cost of revenue decreased $18.1 million, or 25%, to $55.0 million for the nine months ended September 30, 2024 from $73.1 million in the comparable period in 2023, primarily due to a decrease in the volume of products shipped and shift in manufacturing to the external manufacturing facility. The $18.1 million decrease was the result of a $2.0 million decrease in material costs and a $16.1 million decrease in manufacturing and other operating costs from the comparable period in 2023. Thermal barrier cost of revenue increased $84.7 million to $138.8 million for the nine months ended September 30, 2024 as compared to $54.1 million in the comparable period in 2023. The $84.7 million increase was the result of a $63.2 million increase in material costs and a $21.5 million increase in manufacturing costs, primarily driven by an increase in volume. Gross Profit Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Gross profit: 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 Â Energy industrial Â $ 37,750 Â Â 41% Â $ 24,246 Â Â 25% Â $ 13,504 Â Â 56% Thermal barrier Â Â 98,014 Â Â 41% Â Â 3,057 Â Â 5% Â Â 94,957 Â Â (3106)% Total gross profit (loss) Â $ 135,764 Â Â 41% Â $ 27,303 Â Â 18% Â $ 108,461 Â Â 397% Gross profit increased by $108.5 million, or 397%, to $135.8 million for the nine months ended September 30, 2024 from $27.3 million of gross profit in the comparable period in 2023. The increase in gross profit was the result of the $175.1 million increase in total revenue, offset by the $66.6 million increase in total cost of revenue. Research and Development Expenses Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Research and development expenses Â $ 13,645 Â Â 4% Â $ 12,281 Â Â 8% Â $ 1,364 Â Â 11% Research and development expenses increased by $1.3 million, or 11%, to $13.6 million for the nine months ended September 30, 2024 from $12.3 million in the comparable period in 2023. The $1.3 million increase reflects increases in compensation and related costs of $0.8 million, depreciation and facility related expenses of $0.3 million, and other expenses of $0.2 million. Research and development expenses as a percentage of total revenue decreased to 4% of total revenue for the nine months ended September 30, 2024 from 8% in the comparable period in 2023. 31 Â Sales and Marketing Expenses Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Sales and marketing expenses Â $ 27,130 Â Â 8% Â $ 24,226 Â Â 16% Â $ 2,904 Â Â 12% Sales and marketing expenses increased by $2.9 million, or 12%, to $27.1 million for the nine months ended September 30, 2024 from $24.2 million in the comparable period in 2023. The $2.9 million increase was principally the result of increases in compensation and related costs of $1.7 million, depreciation and facility related expenses of $0.9 million, and utilities expenses of $0.3 million. Sales and marketing expenses as a percentage of total revenue decreased to 8% of total revenue for the nine months ended September 30, 2024 from 16% in the comparable period in 2023. General and Administrative Expenses Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) General and administrative expenses Â $ 52,465 Â Â 16% Â $ 41,382 Â Â 27% Â $ 11,083 Â Â 27% General and administrative expenses increased by $11.1 million, or 27%, to $52.5 million for the nine months ended September 30, 2024 from $41.4 million in the comparable period in 2023. The $11.1 million increase was the result of additional staffing costs combined with increases in compensation and related costs of $4.5 million, foreign currency transaction losses of $2.0 million, insurance costs of $2.0 million, utilities expenditures of $1.7 million, and legal costs of $0.9 million. Compensation and related costs include $2.0 million of charge from the cancellation of the unearned performance-based restricted shares. General and administrative expenses as a percentage of total revenue decreased to 16% for the nine months ended September 30, 2024 from 27% in the comparable period in 2023. Impairment of Equipment Under Development The $2.7 million impairment of equipment under development was the result of a charge for impairment of assets due to obsolescence following development of new and more efficient equipment. Other Income (Expense), net Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Interest income (expense): 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 Â Interest (expense), related party Â $ (7,550 ) Â (2)% Â Â $ (2,424 ) Â (2)% Â $ (5,126 ) Â 211% Interest income (expense), net Â Â (883 ) Â (0)% Â Â Â 5,532 Â Â 4% Â Â (6,415 ) Â (116)% Loss on extinguishment of debt Â Â (27,487 ) Â (8)% Â Â Â â€” Â Â â€” Â Â (27,487 ) Â NM Income from Employee Retention Credits Â Â â€” Â Â Â â€” Â Â Â 2,186 Â Â 1% Â Â (2,186 ) Â (100)% Total interest income (expense), net Â $ (35,920 ) Â (11)% Â Â $ 5,294 Â Â 3% Â $ (41,214 ) Â (779)% Other income (expense), net decreased by $41.2 million to $35.9 million of other expense for the nine months ended September 30, 2024 from $5.3 million of other income (expense), net in the comparable period in 2023. The $41.2 million decrease was the result of a $27.5 million loss on extinguishment of debt, $6.1 million net impact of capitalized interest relating to our Convertible Note in the comparable period in 2023, $1.8 million of deferred financing costs related to the GM Loan Agreement for which the draw down date has expired, a $2.2 million income from Employee Retention Credits in the comparable period in 2023 not repeated in 2024, a $1.9 million decrease of interest income, and a $1.7 million increase of interest expense. 32 Â Income Tax Expense Â Â Nine Months Ended September 30, Â Â Â Â Â Â Â 2024 Â 2023 Â Change Â Â Â Â Â Percentage Â Â Â Â Percentage Â Â Â Â Â Â Â Amount Â Â of Revenue Â Amount Â Â of Revenue Â Amount Â Â Percentage Â Â ($ in thousands) Income tax expense Â $ 1,889 Â Â 1% Â $ â€” Â Â 0% Â $ 1,889 Â Â NM The $1.9 million of income tax expense for the nine months ended September 30, 2024 is related to our maquiladora operations in Mexico. We did not incur income tax expense for the comparable period in 2023. Liquidity and Capital Resources Overview We have experienced significant losses and invested substantial resources since our inception to develop, commercialize and protect our aerogel technology and to build a manufacturing infrastructure capable of supplying aerogel products at the volumes and costs required by our customers. These investments have included research and development and other operating expenses, capital expenditures, and investment in working capital balances. Our long-term financial projections anticipate revenue growth, increasing levels of gross profit, and improved cash flows from operations. To meet expected growth in demand for our aerogel products in the EV market, we have been in the process of expanding our aerogel blanket capacity by constructing a second manufacturing plant in Bulloch County, Georgia. However, in order to manage the development of the second plant so that its increased capacity comes online in a manner that aligns with our current expectations of demand from our EV customers, we are extending the timeframe for construction and commissioning of the second plant until such time as its capacity is supported by increased demand. In the meantime, and until we ramp up construction, we expect to be able to substantially reduce our planned capital expenditures for 2024. At the same time, we believe that productivity improvements in our existing Rhode Island facility combined with the supplemental supply of our energy industrial products from one or more external manufacturing facilities in China will permit us to achieve a target revenue capacity of approximately $650 million in 2024 and prior to the completion and start-up of the second plant. Nonetheless, there can be no assurance as to when we will ramp up construction on the second plant. There can also be no assurance that our contract manufacturing strategy of meeting the demand of our energy industrial customers with supply from one or more external manufacturing facilities in China will provide us with adequate manufacturing capacity or supply for that expected demand. Furthermore, when we ramp up construction on the second plant, further cost inflation and/or supply chain disruptions, as well as potential changes in the scope of the facilities, could lead to increases to our prior estimated costs for completion of the second plant. We are also increasing our investment in the research and development of next-generation aerogel products and technologies. During 2024, we have and will continue to

develop aerogel products and technologies for the EV market. We believe the commercial potential for our technology in the EV market is significant. To meet the anticipated revenue growth and take advantage of this market opportunity, we are adding personnel and incurring additional operating expenses, among other items. In January and September 2024, we entered into sale and leaseback arrangements, pursuant to which we sold certain equipment to an equipment leasing company for two separate one-time cash payments of $5.0 million and $10.0 million and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the term of three years. In October 2024, we entered into an underwriting agreement (the Underwriting Agreement) with Goldman Sachs & Co. LLC and Morgan Stanley & Co. LLC (collectively, the Underwriters), pursuant to which we issued and sold an aggregate of 4,887,500 shares of our common stock, which included 637,500 shares pursuant to the Underwritersâ€™ option to purchase additional shares of our common stock, to the Underwriters in a registered underwritten offering (the â€œOfferingâ€). The price to the public in the Offering was $20.00 per share. The net proceeds to us from the Offering were approximately $93.2 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by us. On August 19, 2024, we entered into a Credit, Security and Guaranty Agreement with MidCap Financial for a term loan facility in an aggregate principal amount of $125.0 million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $100.0 million or the borrowing base. At closing we drew $125.0 million from the Term Loan Facility and $43.0 million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the Convertible Notes for $150.0 million and for general corporate purposes. 33 Â  We believe that our September 30, 2024 cash and cash equivalents balance of $113.5 million, together with the funds available under the MidCap Loan Facility, will be sufficient to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunities in the EV market and other strategic business opportunities. We plan to supplement our cash balance and available credit with equity financings, debt financings, equipment leasing, customer prepayments or government grant and loan programs to provide the additional capital necessary to purchase the capital equipment, construct the new facilities and complete the aerogel capacity expansions required to support our evolving commercial opportunities and strategic business initiatives. We believe that consummation of equity financing could potentially result in an ownership change under Section 382 of the U.S. Internal Revenue Code of 1986, as amended. Such an ownership change would lead to the use of our net operating loss carryforwards being restricted. Our inability to use a substantial portion of our net operating loss carryforwards would result in a higher effective tax rate and adversely affect our financial condition and results of operations. Primary Sources of Liquidity Our principal sources of liquidity are currently our cash and cash equivalents. Cash and cash equivalents consist primarily of cash, money market accounts, and sweep accounts on deposit with banks. As of September 30, 2024, we had $113.5 million of unrestricted cash and cash equivalents. Analysis of Cash Flow Net Cash Used in Operating Activities During the nine months ended September 30, 2024, we provided $9.9 million in net cash in operating activities, as compared to the use of $39.8 million in net cash during the comparable period in 2023, a decrease in the use of cash of $49.7 million. This decrease in use of cash was the result of net income adjusted for non-cash items of $97.8 million offset by net cash used by changes in operating assets and liabilities of $48.1 million. During the nine months ended September 30, 2023, we used $39.8 million in net cash in operating activities, as compared to the use of $70.3 million in net cash during the comparable period in 2022, a decrease in the use of cash of $30.5 million. This decrease in use of cash was the result of lower net loss adjusted for non-cash items of $31.4 million offset by net cash used by changes in operating assets and liabilities of $0.9 million. Net Cash Used in Investing Activities Net cash used in investing activities is for capital expenditures for machinery and equipment principally to improve the throughput, efficiency and capacity of our East Providence facility, expansion of our automated fabrication facility in Mexico and engineering designs and construction costs for the planned aerogel manufacturing facility in Bulloch County, Georgia. Net cash used in investing activities for the nine months ended September 30, 2024 and 2023 was $71.5 million and $147.7 million, respectively. Net Cash Provided by Financing Activities Net cash provided by financing activities for the nine months ended September 30, 2024 totaled $35.6 million and consisted of $15.0 million in proceeds from a sales leaseback, $10.4 million in proceeds from employee stock option exercises, $119.7 in proceeds from the term loan, net of issues costs, and $42.7 in proceeds from the revolver, net of issuance costs, offset by $150.0 million in cash used for the repayment of the convertible note, $1.3 million in cash used for payments made for employee tax withholdings associated with the vesting of restricted stock units, $0.8 million in repayments of a sales leaseback, and less than $0.1 million in cash used for fees and issuance costs. Net cash used in financing activities for the nine months ended September 30, 2023 totaled $0.1 million and consisted of $0.4 million in cash used for payments made for employee tax withholdings associated with the vesting of restricted stock units and $0.1 million issuance costs from private placement of common stock, offset, in part, by $0.4 million in proceeds from employee stock option exercises. 34 Â  Contractual Obligations and Commitments There have been no material changes to our contractual obligations and commitments as reported in our Annual Report. Recent Accounting Pronouncements Information regarding new accounting pronouncements is included in note 2 to our unaudited consolidated financial statements contained in Item 1 of this Quarterly Report on Form 10-Q. Critical Accounting Policies and Estimates Our financial statements are prepared in accordance with U.S. GAAP. The preparation of our financial statements and related disclosures requires us to make estimates, assumptions and judgments that affect the reported amount of assets, liabilities, revenue, costs and expenses and related disclosures. We believe that the estimates, assumptions and judgments involved in these accounting policies have the greatest potential impact on our financial statements and, therefore, we consider these to be our critical accounting policies. Accordingly, we evaluate our estimates and assumptions on an ongoing basis. Our actual results may differ from these estimates under different assumptions and conditions. See our Annual Report and note 2 to our consolidated financial statements included elsewhere in this Quarterly Report on Form 10-Q for information about these critical accounting policies, as well as a description of our other significant accounting policies. Certain Factors That May Affect Future Results of Operations The SEC encourages companies to disclose forward-looking information so that investors can better understand a companyâ€™s future prospects and make informed investment decisions. This Quarterly Report on Form 10-Q contains such â€œforward-looking statementsâ€ within the meaning of the Private Securities Litigation Reform Act of 1995. These statements involve known and unknown risks, uncertainties and other important factors, which may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements. Forward-looking statements include, but are not limited to, statements about: the expected future growth of the market for our aerogel products and our continued gain in market share, in particular in the electric vehicle market, the energy infrastructure insulation market, the lithium-ion battery thermal barrier markets, and other markets we target; our beliefs in the appropriateness of our assumptions, the accuracy of our estimates regarding expenses, loss contingencies, future revenues, revenue capacity, future profits, uses of cash, available credit, capital requirements, and the need for additional financing to operate our business and for capital expenditures and to fund our planned strategic business initiatives; the performance of our aerogel blankets; our expectation that we will be successful in obtaining, enforcing and defending our patents against competitors and that such patents are valid and enforceable; our expectations regarding the investment and revenue creation from the Statesboro Plant and creation of jobs from the construction and operation of the Statesboro Plant; ; our efforts to manage the extended construction and commission timeframe of the planned Statesboro Plant to align with our expectations of demand from EV customers; our estimates of annual production capacity; beliefs about the commercial potential for our technology in the electric vehicle market; beliefs about our ability to produce and deliver products to electric vehicle customers; beliefs about our contracts with the major automotive manufacturers; our expectations about the size and timing of awarded business in the electric vehicle market, future revenues and profit margins, arising from our supply relationship and contract with automotive OEMs and our ability to win more business and increase revenue in the electric vehicle market; beliefs about the performance of our thermal barrier products in the battery systems of electric vehicles; the current or future trends in the energy, energy infrastructure, chemical and refinery, LNG, sustainable building materials, electric vehicle thermal barrier, electric vehicle battery materials or other markets and the impact of these trends on our business; our investments in the electric vehicle market and Aerogel Technology Platform; our beliefs about the financial metrics that are indicative of our core performance; our expectations about the effect of manufacturing capacity on financial metrics such as Adjusted EBITDA; our expectations about future revenues, expenses, gross profit, net income (loss), income (loss) per share and Adjusted EBITDA, sources and uses of cash, capital requirements and the sufficiency of our existing cash balance and available credit; our beliefs about the outcome, effects or estimated costs of current or potential litigation or their respective timing, including expected legal expense in connection with our patent enforcement actions; our expectations about future material costs and manufacturing expenses as a percentage of revenue, including the impact of engaging one or more external manufacturing facilities in China for supply of our energy industrial products; our expectation about the ability of the Chinese external manufacturing facilities that we engage to consistently supply the aerogel product that we order in a timely manner; our expectations of future gross profit and the effect of manufacturing expenses, manufacturing capacity and productivity on gross profit; our expectations about our resources and other investments in new technology and related research and development activities and associated expenses; our expectations about short and long term (a) research and development (b) general and administrative and (c) sales and marketing expenses; our expectations of revenue growth, increased gross profit, and improving cash flows over the long term; our intentions about managing capital 35 Â  expenditures and working capital balances; our expectation with respect to the receipt and funding of the Loan, including satisfaction of certain technical, legal, environmental, and financial conditions before the DOE enters into definitive financing documents and funds the Loan; our expectation with respect to the ability of the DOE loan to fully fund the remaining CAPEX needed to complete the Statesboro Plant; our expectations and beliefs regarding the use of proceeds from the Loan facility, the flexibility and efficiency of the facility; and our expectations about potential sources of future financing. Words such as â€œmay,â€ â€œwill,â€ â€œanticipate,â€ â€œestimate,â€ â€œexpects,â€ â€œprojects,â€ â€œintends,â€ â€œplans,â€ â€œbelievesâ€ and words and terms of similar substance used in connection with any discussion of future operating or financial performance, identify forward-looking statements. All forward-looking statements are managementâ€™s present expectations of future events and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those described in the forward-looking statements. These risks include, but are not limited to, those set forth in this Quarterly Report on Form 10-Q and under the heading â€œRisk Factorsâ€ contained in Item 1A of our Annual Report. In light of these assumptions, risks and uncertainties, the results and events discussed in the forward-looking statements contained in this Quarterly Report on Form 10-Q might not occur. Stockholders and other readers are cautioned not to place undue reliance on the forward-looking statements, which speak only as of the date of this Quarterly Report on Form 10-Q. We are not under any obligation, and we expressly disclaim any obligation, to update or alter any forward-looking statements, whether as a result of new information, future events or otherwise. All subsequent forward-looking statements attributable to Aspen Aerogels, Inc. or to any person acting on its behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. 36 Â  Item 3. Quantitative and Qualitative Disclosures About Market Risk. Market risk represents the risk of loss that may impact our financial position due to adverse changes in financial market prices and rates. Our market risk exposure results primarily from fluctuations in interest rates, as well as from inflation. In the normal course of business, we are exposed to market risks, including changes in interest rates which affect our cash flows. We may also face additional exchange rate risk in the future as we expand our business internationally. Interest Rate Risk We are exposed to changes in interest rates in the normal course of our business. As of September 30, 2024, we had unrestricted cash and cash equivalents of $113.5 million. These amounts were held for working capital and capital expansion purposes and were invested primarily in deposit accounts, money market accounts, and high-quality debt securities issued by the U.S. government via cash sweep accounts primarily at major financial institutions in North America. Due to the short-term nature of these investments, we believe that our exposure to changes in the fair value of our cash as a result of changes in interest rates is not material. As of September 30, 2024, we had a term loan outstanding with principal balance of $127.5 million. Our term loan bears interest at the Secured Overnight Financing Rate (SOFR) plus 4.50% per annum. Under the terms of the investment, SOFR has a floor of 4.50% and a cap of 7.50%. Interest is paid quarterly. As of September 30, 2024, we had a revolving facility outstanding with principal balance of $43.0 million. Our revolving facility bears interest at the SOFR plus 4.60% per annum. Under the terms of the investment, SOFR has a floor of 2.50%. Interest is paid monthly. The amount available to us under the revolving credit facility was $25.7 million. As of September 30, 2024, we had $0.4 million of restricted cash to support our outstanding letters of credit to secure obligations under certain commercial contracts and other obligations. We terminated our revolving credit facility agreement on November 28, 2022. Inflation Risk Although we expect that our operating results will be influenced by general economic conditions, we do not believe that inflation has had a material effect on our results of operations during the periods presented in this report. However, our business may be affected by inflation in the future. Foreign Currency Exchange Risk We are subject to inherent risks attributed to operating in a global economy. We do not consider the exposure to foreign currency risk from our international operations to be material. A majority of our revenue, receivables, purchases and debts are denominated in U.S. dollars. Certain transactions of the Company and its subsidiaries are denominated in currencies other than the functional currency. Foreign currency transaction losses were $2.3 million and $0.3 million for the nine months ended September 30, 2024, and 2023, respectively, and were recorded within operating expenses on the consolidated statements of operations. Item 4. Controls and Procedures. (a) Evaluation of Disclosure Controls and Procedures. We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in the reports that we file or submit under the Securities Exchange Act of 1934, as amended (the Exchange Act), is recorded, processed, summarized and reported within the time periods specified in the SECâ€™s rules and forms and is accumulated and communicated to our management, including our principal executive officer and principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. As of September 30, 2024, our management, with the participation of our principal executive officer and principal financial officer, evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act). Our management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives, and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Based on such evaluation, our principal executive officer and principal 37 Â  financial officer have concluded that, as of September 30, 2024, our disclosure controls and procedures were effective to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SECâ€™s rules and forms, and is accumulated and communicated to our management, including our principal executive officer and principal financial officer, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. (b) Changes in Internal Controls. During the three months ended September 30, 2024, there were no changes in our internal control over financial reporting, as such term is defined in Rules 13a-15(f) and 15(d)-15(f) promulgated under the Exchange Act, that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. 38 Â  PART II â€” OTHER INFORMATION Item 1. Legal Proceedings. We are involved in various legal claims and proceedings in the normal course of operations. We believe the outcome of these matters will not have a material adverse effect on our consolidated financial position, results of operations or liquidity, except as described in Part 1, Item 3. â€œLegal Proceedingsâ€ of our Annual Report on Form 10-K. Since the filing of our Form 10-K, there have been no material changes in our legal proceedings from those disclosed therein, other than as noted below. Our patent infringement proceedings in Italy against of AMA S.p.A. and AMA Composites S.r.l. (collectively, AMA) are ongoing. In July 2023, the technical experts appointed by the judge issued a report finding key claims of our process patents valid and infringed by the aerogel products manufactured by Nano Tech Co., Ltd. and sold by AMA. In November 2023, we appealed our motion for preliminary injunction to a panel of the Court of Genoa. In February 2024, the Court issued an order dismissing our appeal. As of March 31, 2024, the main patent infringement proceedings are ongoing. Our patent infringement proceedings in Korea against Beerenberg Services AS, Beerenberg Korea Ltd., and Bronx (China) Co., Ltd., are ongoing. In April 2024, the Korea Trade Commission (KTC) concluded its investigation into unfair international trade practices by Beerenberg Korea Ltd. and Bronx (China) Co., Ltd., with a decision that our asserted composition patent claims were invalid and our asserted process patent claims were not infringed. We disagree with the KTC decision, which is subject to appeal in the Seoul Administrative Court. We continue to vigorously defend the validity of these patents in the related oppositions filed by Beerenberg Korea Ltd. and Bronx (China) Co. Ltd., at the Korean Intellectual Property Trial and Appeal Board (IPTAB). Our patent infringement case against Beerenberg Services AS and Beerenberg Korea Ltd. at the Seoul District Court remains stayed pending the outcome of the IPTAB proceedings. The opposition filed in September 2023 by LG Chem Ltd. against one of the Korean patents we are asserting against Beerenberg in Korea is ongoing. We are vigorously defending the validity of this patent. The opposition filed in August 2023 by LG Chem Ltd. against a Japanese counterpart of the Korean patents was concluded in our favor in May 2023 with a decision to maintain the patent and issuance of new Certificate of Patent on May 3, 2024. In October 2022, we were served with a summons from Aerogels Poland Nanotechnology LLC (APN), a former distributor of our products in Poland with whom we previously terminated our distribution agreements because of APNâ€™s failure to pay amounts due to us. The summons asserts causes of

action for declaratory judgment, breach of contract, breach of implied contract, equitable estoppel and fraud, and states that plaintiffs will seek declaratory judgment, actual and liquidated damages in the sum of $20 million, in addition to attorneysâ€™ fees. We were not served with any complaint at the time the summons was served. In December 2022, we filed a notice of appearance in New York County Supreme Court and a demand upon plaintiffs to file and serve a complaint. In March 2023, plaintiffs filed a complaint asserting various causes of action consistent with those set forth in the October 2022 summons, and a demand for monetary damages and other relief in excess of $16 million. In July 2023, we filed a motion to compel arbitration, and in February 2024, the Court granted our motion and stayed the litigation pending arbitration. To the extent APN seeks to pursue claims in an arbitration proceeding, Aspen intends to continue to vigorously defend this matter, including seeking its legal costs. Item 1A. Risk Factors. The ownership of our common stock involves a number of risks and uncertainties. When evaluating the Company and our business before making an investment decision regarding our securities, potential investors should carefully consider the risk factors and uncertainties described in Part 1, Item 1A. â€œRisk Factorsâ€ of our Annual Report on Form 10-K. Since the filing of our Form 10-K, there have been no material changes in our risk factors from those disclosed therein, other than as provided below. We are dependent upon our ability to close on and fully draw down on our proposed loan facility from the United States Department of Energy, which may restrict our ability to conduct our business. The receipt by us of the conditional commitment from the DOE in respect of the Loan is not an assurance that definitive financing documents will be negotiated and entered into, that the terms and conditions of the Loan will be consistent with the terms contemplated in the conditional commitment, or that all technical, legal, environmental and financial conditions will be achieved and satisfied. The outcome of the process with the DOE relating to the Loan and our ability to draw and utilize such funds towards the construction of the Statesboro Plant is dependent on whether the DOE determines to proceed with the definitive financing documents and under what conditions. There can be no assurance as to the outcome of these decisions and the terms and conditions of the financing documents that may be offered, if any. 39 Â  If and when definitive financing documents in respect of the Loan are entered into, the Loan and our ability to draw upon the Loan are expected to be conditional upon certain condition precedents and to include representations, warranties and covenants of us customary for financings of a similar nature by the U.S. Government or other public lending institutions, including relating to repayment obligations. Our failure to comply with or satisfy any or all of the conditions or to remain in compliance with the covenant regime under the Loan could result in a reduction of the size of the Loan made available to us and/or an event of default under the Loan, which could result in the termination of the Loan and/or cause any amounts outstanding under the Loan to become immediately due and payable, any of which would have a material adverse effect on our business, financial condition, results of operations and prospects. We have engaged third-party external manufacturing facilities in China to supplement our supply of our energy industrial products. If such external manufacturing facilities are unable to manufacture and deliver a sufficient quantity of high-quality products on a timely and cost-efficient basis, our net revenue and business operations may be harmed and our reputation may suffer. We have engaged external manufacturing facilities in China for a supplemental supply of our energy industrial products, which we believe will enable us to achieve a target revenue capacity of approximately $650 million in the near-term and prior to the completion and start-up of our planned second manufacturing plant. If our external manufacturing facilities are unable to deliver the required aerogel product on a timely basis, we may experience delays in delivering our finished aerogel product to customers in the energy industrial market. In addition, because our third-party external manufacturing facilities have manufacturing facilities in China, their ability to provide us with adequate supplies of high-quality products on a timely and cost-efficient basis is subject to a number of additional risks and uncertainties, including political, social and economic instability and other factors that could impact the shipment of supplies. In 2022, the indirect parent of the external manufacturing facility we engaged in 2023 was added to the list of â€œChinese military companiesâ€ that are â€œoperating directly or indirectly in the United Statesâ€ in accordance with Section 1260H of the National Defense Authorization Act for Fiscal Year 2021. There are certain government contract related restrictions that are or will be imposed on Section 1260H list entities and their controlled affiliates. While we currently have no contracts that would be affected by these restrictions, and the legal impact of being included on the list is relatively limited, our work with a listed entity may have a material adverse effect on our reputation and our business opportunities. If our manufacturers are unable to provide us with adequate supplies of high-quality aerogel products on a timely and cost-efficient basis, our operations could be disrupted and our revenue and business operations may suffer. Moreover, if our third-party external manufacturing facilities cannot consistently produce high-quality products that are free of defects and/or violates applicable worker or product safety rules, regulations or laws, we may experience a loss of customers, which may also reduce our revenues and may harm our reputation and brand. Furthermore, our third-party external manufacturing facilities may become subject to various supply chain disruptions, including for key inputs into their manufacturing process such as methanol. Such disruptions could be the result of pandemics or public health crises, and/or geopolitical disputes and conflicts, any of which could slow or halt the delivery of products to us and increase the price of certain materials due to resulting increases in costs of raw materials and shipping costs. At present, we have engaged one third-party external manufacturing facility in China to produce certain of our Energy Industrial products. Pursuant to our supply contract with this contract manufacturer, they are obligated to deliver products to us as we issue purchase orders on an as-needed basis through the term of the agreement. The contract automatically renews year-to-year unless either party notifies the other of its intention not to renew the contract. While we have agreed to purchase our requirement for certain Energy Industrial products from the contract manufacturer, we have no obligation to purchase any minimum quantity under the contract. In addition, we may terminate the contract at any time and for any or no reason. 40 Â  Item 2. Unregistered Sales of Equity Securities and Use of Proceeds. (a) Unregistered Sales of Equity Securities. None. (b) Use of Proceeds from Initial Public Offering of Common Stock. Not applicable. (c) Purchases of Equity Securities by the Issuer and Affiliated Purchasers. We did not repurchase any of our equity securities during the quarter ended September 30, 2024. Item 3. Defaults Upon Senior Securities. None. Item 4. Mine Safety Disclosures. Not applicable. Item 5. Other Information. None of our directors or executive officers adopted, modified or terminated any contract, instruction or written plan for the purchase or sale of our securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any â€œnon-Rule 10b5-1 trading arrangementâ€ as such term is defined in Item 408(a) of Regulation S-K, during the fiscal quarter ended September 30, 2024. 41 Â  Item 6. Exhibits. (a) Exhibits Â Â Â Â Â 10.1* Â Note Purchase and Sale Agreement, dated as of August 19, 2024, by and between Aspen Aerogels, Inc. and Wood River Capital, LLC (incorporated by reference to Exhibit 10.1 of the Companyâ€™s Current Report on Form 8-K, filed with SEC on August 19, 2024). Â Â Â Â 10.2* Â Credit, Security and Guaranty Agreement, dated as of August 19, 2024, by and among Aspen Aerogels, Inc., Aspen Aerogels Rhode Island, LLC, MidCap Fund IV Trust and MidCap Financial Trust (incorporated by reference to Exhibit 10.2 of the Companyâ€™s Current Report on Form 8-K, filed with SEC on August 19, 2024). Â Â Â Â 10.3+ Â Amended and Restated Executive Employment Agreement, dated as of August 30, 2024, by and between the Company and Donald R. Young (incorporated by reference to Exhibit 10.1 of the Companyâ€™s Current Report on Form 8-K, filed with SEC on September 3, 2024). Â Â Â Â 31.1 Certification of principal executive officer under Section 302(a) of the Sarbanes-Oxley Act of 2002. Â Â Â Â 31.2 Certification of principal financial officer under Section 302(a) of the Sarbanes-Oxley Act of 2002. Â Â Â Â 32 Certifications of the principal executive officer and the principal financial officer under Section 906 of the Sarbanes-Oxley Act of 2002. Â Â Â Â 101.INS XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document. Â Â Â Â 101.SCH Inline XBRL Taxonomy Extension Schema With Embedded Linkbase Documents. Â Â  104 Cover Page Interactive Data File (embedded within the Inline XBRL document). Â Â Â Â Â Â Â Â * Certain exhibits and schedules have been omitted in accordance with Item 601(a)(5) of Regulation S-K. The registrant agrees to furnish supplementally a copy of any omitted exhibit or schedule to the SEC upon its request. + Management contract or compensatory plan or arrangement. 42 Â  SIGNATURES 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. Â Â Â ASPEN AEROGELS, INC. Â Â Â Â Â Â Date: November 7, 2024 Â By: Â /s/ Donald R. Young Â Â Â Â Donald R. Young Â Â Â Â President and Chief Executive Officer(principal executive officer) Â Â Â Â Â Â Date: November 7, 2024 Â By: Â /s/ Ricardo C. Rodriguez Â Â Â Â Ricardo C. Rodriguez Â Â Â Â Chief Financial Officer and Treasurer (principal financial officer) Â  43 EX-31.1 2 aspn-ex31_1.htm EX-31.1 EX-31.1 Â  Exhibit 31.1 CERTIFICATIONS UNDER SECTION 302 I, Donald R. Young, certify that: 1. I have reviewed this Quarterly Report on Form 10-Q of Aspen Aerogels, Inc.; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; 4. The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: 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; b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; 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 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 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): 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 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. Date: November 7, 2024 Â Â Â /s/ Donald R. Young Â Â Â Â Donald R. Young Â Â Â Â President and Chief Executive Officer(principal executive officer) Â Â  EX-31.2 3 aspn-ex31_2.htm EX-31.2 EX-31.2 Â  Exhibit 31.2 CERTIFICATIONS UNDER SECTION 302 I, Ricardo C. Rodriguez, certify that: 1. I have reviewed this Quarterly Report on Form 10-Q of Aspen Aerogels, Inc.; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; 4. The registrantâ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: 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; b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; 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 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 5. The registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantâ€™s auditors and the audit committee of the registrantâ€™s board of directors (or persons performing the equivalent functions): 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 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. Date: November 7, 2024 Â Â Â /s/ Ricardo C. Rodriguez Â Â Â Â Ricardo C. Rodriguez Â Â Â Â Chief Financial Officer and Treasurer (principal financial officer) Â Â  EX-32 4 aspn-ex32.htm EX-32 EX-32 Â  Exhibit 32 CERTIFICATIONS UNDER SECTION 906 Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (subsections (a) and (b) of section 1350, chapter 63 of title 18, United States Code), each of the undersigned officers of Aspen Aerogels, Inc., a Delaware corporation (the â€œCompanyâ€), does hereby certify, to such officerâ€™s knowledge, that: The Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 (the â€œForm 10-Qâ€) of the Company 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 the Company. Dated: November 7, 2024 Â Â Â /s/ Donald R. Young Â Â Â Â Donald R. Young Â Â Â Â President and Chief Executive Officer(principal executive officer) Â Â Â Dated: November 7, 2024 Â Â Â /s/ Ricardo C. Rodriguez Â Â Â Â Ricardo C. Rodriguez Â Â Â Â Chief Financial Officer and Treasurer(principal financial officer) Â A signed original of this written statement required by Section 906 has been provided to the Company and will be retained by the Company and furnished to the Securities and Exchange Commission or its staff upon request. Â  EX-101.SCH 5 aspn-20240930.xsd XBRL TAXONOMY EXTENSION SCHEMA WITH EMBEDDED LINKBASES DOCUMENT 100000 - Document - Document and Entity Information link:presentationLink link:calculationLink link:definitionLink 100010 - Statement - Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 100020 - Statement - Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 100030 - Statement - Consolidated Statements of Operations link:presentationLink link:calculationLink link:definitionLink 100040 - Statement - Consolidated Statements of Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 100050 - Statement - Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 995455 - Disclosure - Description of Business and Basis of Presentation link:presentationLink link:calculationLink link:definitionLink 995465 - Disclosure - Significant Accounting Policies link:presentationLink link:calculationLink link:definitionLink 995475 - Disclosure - Revenue from Contracts with Customers link:presentationLink link:calculationLink link:definitionLink 995485 - Disclosure - Inventories link:presentationLink link:calculationLink link:definitionLink 995495 - Disclosure - Property, Plant and Equipment, Net link:presentationLink link:calculationLink link:definitionLink 995505 - Disclosure - Accrued Expenses link:presentationLink link:calculationLink link:definitionLink 995515 - Disclosure - Revolving Line of Credit link:presentationLink link:calculationLink link:definitionLink 995525 - Disclosure - Related Party Transactions link:presentationLink link:calculationLink link:definitionLink 995535 - Disclosure - Convertible Note - Related Party link:presentationLink link:calculationLink link:definitionLink 995545 - Disclosure - Debt link:presentationLink link:calculationLink link:definitionLink 995555 - Disclosure - Commitments and Contingencies link:presentationLink link:calculationLink link:definitionLink 995565 - Disclosure - Leases and sale and leaseback link:presentationLink link:calculationLink link:definitionLink 995575 - Disclosure - Stock Based Compensation link:presentationLink link:calculationLink link:definitionLink 995585 - Disclosure - CARES Act Payroll Tax Deferral link:presentationLink link:calculationLink link:definitionLink 995595 - Disclosure - Net Income (Loss) Per Share link:presentationLink link:calculationLink link:definitionLink 995605 - Disclosure - Income Taxes link:presentationLink link:calculationLink link:definitionLink 995615 - Disclosure - Segment Information link:presentationLink link:calculationLink link:definitionLink 995625 - Disclosure - Other Current Assets link:presentationLink link:calculationLink link:definitionLink 995635 - Disclosure - Subsequent Events link:presentationLink link:calculationLink link:definitionLink 995645 - Disclosure - Description of Business and Basis of Presentation (Policies) link:presentationLink link:calculationLink link:definitionLink 995655 - Disclosure - Revenue from Contracts with Customers (Tables) link:presentationLink link:calculationLink link:definitionLink 995665 - Disclosure - Inventories (Tables) link:presentationLink link:calculationLink link:definitionLink 995675 - Disclosure - Property, Plant and Equipment, Net (Tables) link:presentationLink link:calculationLink link:definitionLink 995685 - Disclosure - Accrued Expenses (Tables) link:presentationLink link:calculationLink link:definitionLink 995695 - Disclosure - Convertible Note - Related Party (Tables) link:presentationLink link:calculationLink link:definitionLink 995705 - Disclosure - Debt

(Tables) link:presentationLink link:calculationLink link:definitionLink 995715 - Disclosure - Commitments and Contingencies (Tables) link:presentationLink link:calculationLink link:definitionLink 995725 - Disclosure - Leases and sale and leaseback (Tables) link:presentationLink link:calculationLink link:definitionLink 995735 - Disclosure - Stock Based Compensation (Tables) link:presentationLink link:calculationLink link:definitionLink 995745 - Disclosure - Net Income (Loss) Per Share (Tables) link:presentationLink link:calculationLink link:definitionLink 995755 - Disclosure - Segment Information (Tables) link:presentationLink link:calculationLink link:definitionLink 995765 - Disclosure - Description of Business and Basis of Presentation - Additional Information (Detail) link:presentationLink link:calculationLink link:definitionLink 995775 - Disclosure - Significant Accounting Policies - Additional Information (Detail) link:presentationLink link:calculationLink link:definitionLink 995785 - 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Customer A [Member] Customer A [Member] Debt instrument, interest rate Debt Instrument, Interest Rate During Period Debt Instrument Debt Instrument [Axis] Wood River Capital, LLC. Wood River Capital, LLC [Member] Wood River Capital L L C Member Amortization of debt discount due to modification of convertible note - related party Amortization Of Debt Discount Due To Modification Of Convertible Note Related Party Amortization of debt discount due to modification of convertible note related party. Accounts receivable Increase (Decrease) in Accounts Receivable Plan Name Plan Name [Domain] Income from Employee Retention Credits Income from employee retention credits. Thermal Barrier Contracts [Member] Thermal Barrier Contracts [Member] Thermal barrier contracts. Sale and leaseback equipment value Sale and leaseback equipment value Sale Leaseback Transaction, Net Book Value Sale Leaseback Transaction, Net Book Value, Total Revenue Recognition [Table] Revenue Recognition [Table] Revenue recognition. Entity Address, Postal Zip Code Entity Address, Postal Zip Code All Other Corporate Assets [Member] All Other Corporate Assets [Member] All other corporate assets. Second Year After the Closing Date [Member] Second Year After The Closing Date [Member] Second year after the closing date. Operating lease liabilities Increase Decrease In Operating Lease Liabilities Increase (decrease) in operating lease liabilities. Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code Research Services Research Services [Member] Research services. Cloud computing costs included in other current assets Cloud Computing Costs Included In Other Current Assets Cloud computing costs included in other current assets. Interest paid Interest Paid, Excluding Capitalized Interest, Operating Activities Debt instrument covenant description Debt Instrument, Covenant Description Sales return reserves Sales Return Reserve Sales return reserve. Stock Issued During Period, Value, Restricted Stock Award, Gross Issuance of restricted stock Beginning balance, shares Ending balance, shares Shares, Outstanding Issuance Costs from underwritten public offering. Issuance Costs from Underwritten Public Offering Issuance costs from underwritten public offering General Motors Holdings LLC [Member] General Motors Holdings LLC. General Motors Holdings LLC [Member] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Long-Term Debt, Type Long-Term Debt, Type [Domain] Other current assets. Other Current Assets [Table] Sales Agreement [Member] Supply Agreement [Member] Supply agreement. Long term debt - current portion Long-Term Debt, Current Maturities Long-Term Debt, Current Maturities, Total 2024 (excluding the nine months ended September 30, 2024) Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year Leases and sale and leaseback Lessee, Operating Leases [Text Block] Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Stock Issued During Period, Value, Restricted Stock Award, Net of Forfeitures, Total Vesting of restricted stock units Stock Issued During Period, Value, Restricted Stock Award, Net of Forfeitures Proceeds from issuance of private placement, net Proceeds From Issuance Of Private Placement Net Of Fees And Issuance Costs Proceeds from issuance of private placement net of fees and issuance costs. Product and Service Product and Service [Axis] OEM [Member] O E M [Member] OEM. Lender Name Lender Name [Axis] Base Rate [Member] Collaborative Arrangement and Arrangement Other than Collaborative Collaborative Arrangement and Arrangement Other than Collaborative [Domain] Payments to Acquire Productive Assets, Total Cash for capital expenditures Payments to Acquire Productive Assets Related Party Transaction [Line Items] Related Party Transaction [Line Items] Concentration Risk Benchmark [Axis] Noval [Member] NOVAL [Member] NOVAL. Title of Individual Title and Position [Axis] Discount on convertible note, net of accumulated amortization Discount on Convertible Note Net of Accumulated Amortization Discount on Convertible Note Net of Accumulated Amortization Revenue from Contracts with Customers Revenue from Contract with Customer [Text Block] Contract liabilities Contract with Customer, Liability [Abstract] Sale of Stock Sale of Stock [Domain] Inventory, Work in Process, Net of Reserves Work in process Term loan Long-Term Debt, Gross Maximum increased borrowing amount Line Of Credit Facility Increased Maximum Borrowing Capacity Line of credit facility increased maximum borrowing capacity. Debt instrument, issuance date Debt Instrument, Issuance Date Entity Central Index Key Entity Central Index Key Changes in operating assets and liabilities: Increase (Decrease) in Operating Capital [Abstract] Proceeds of the borrowings Proceeds from Issuance of Debt Other current assets. Other Current Assets [Abstract] Restricted common stock issued Common stock, shares issued Common Stock, Shares, Issued Schedule Of Employee Service Share Based Compensation Allocation Of Recognized Period Costs [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Revolving line of credit Revolving Line Of Credit Revolving line of credit. Prepaid expenses and other assets Increase (Decrease) in Prepaid Expense and Other Assets Payment in-kind Contractual Interest Payment In Kind Contractual interest payment in kind. Other Directors or Executive Officers. Other Directors or Executive Officers [Member] Other Directors or Executive Officers Interest expense, convertible note - related party Interest Income Expense Related Party Interest income expense related party. Description of Business and Basis of Presentation Business Description and Basis of Presentation [Text Block] Preferred Stock [Member] Preferred Stock [Member] Income Statement [Abstract] Entity Address, State or Province Entity Address, State or Province Debt Instrument EBITDA Covenant Liquidity Debt instrument EBITDA covenant liquidity Debt instrument EBITDA covenant liquidity. Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Income (loss) before income tax expense Commitments And Contingencies [Table] Commitments And Contingencies [Table] Commitments and contingencies. General Motors General Motors LLC [Member] General Motors LLC. Nature of Business Nature Of Business Policy [Text Block] Nature of business. Convertible notes, fair value Convertible Debt, Fair Value Disclosures Concentration Risk Type [Domain] SOFR plus [Member] Secured Overnight Financing Rate Sofr Plus [Member] Secured overnight financing rate sofr plus. Amortization of cloud computing costs Amortization Of Cloud Computing Costs Amortization of cloud computing costs. Revenue recognized Deferred revenue, revenue recognized Contract with Customer, Liability, Revenue Recognized Customer [Axis] Customer Concentration Risk [Member] Customer Concentration Risk [Memeber] Authorized for issuance, number of shares increased by Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Additional Shares Authorized Donald R. Young. Donald R. Young [Member] Donald R. Young Aggregate capitalized principal amount repurchased Debt Instrument, Repurchased Face Amount Line of Credit Facility, Expiration Date Senior secured term loan, Draw Endining date Number of performance obligations Number Of Performance Obligations Number of performance obligations. Rhode Island [Member] RHODE ISLAND Issuance costs from convertible note Payments of Debt Issuance Costs Amortization of convertible note issuance costs Amortization of Debt Issuance Costs Computer Equipment and Software [Member] Computer Equipment And Software [Member] Computer equipment and software. Mid Cap Loan Facility [Member] Mid Cap Loan Facility [Member] Mid cap loan facility. Cover [Abstract] Subsequent Event [Line Items] Subsequent Event [Line Items] Earnings Per Share, Basic, Total Basic Earnings Per Share, Basic Net income (loss) per share, basic Operating expenses: Operating Expenses [Abstract] Deferred revenue Contract with Customer, Liability, Current Consolidation Items Consolidation Items [Domain] Sales and Marketing Expenses [Member] Selling and Marketing Expense [Member] Stock-based awards granted to purchase common stock, grant date fair value Share Based Compensation Arrangement By Share Based Payment Award Option Aggregate Fair Value Share based compensation arrangement by share based payment award option aggregate fair value. Total stock-based compensation Share-Based Payment Arrangement, Expense Stock-based compensation expense Long term portion Total debt Long term debt Long-Term Debt Equity incentive plan. Equity Incentive Plan [Member] Equity Incentive Plan [Member] Retained Earnings (Accumulated Deficit), Total Accumulated deficit Retained Earnings (Accumulated Deficit) Total capitalized cloud computing costs Total Capitalized Cloud Computing Costs Total capitalized cloud computing costs. Plan Name Plan Name [Axis] Segment Reporting [Abstract] Conversion notes effective conversion price per share Conversion Notes Effective Conversion Price Per Share Conversion notes effective conversion price per share. Warranty Standard Product Warranty, Policy [Policy Text Block] Income taxes. Income Taxes [Line Items] Income Taxes [Line Items] Current assets: Assets, Current [Abstract] Shares reserved for issuance Common Stock, Capital Shares Reserved for Future Issuance Cap Rate [Member] Interest Rate Cap [Member] U.S. [Member] UNITED STATES Net cash provided (use) in operating activities Cash used in operations Net Cash Provided by (Used in) Operating Activities Inventory of Borrowers [Member] Inventory of borrowers. Product and Service Product and Service [Domain] Other current assets. Other Current Assets [Line Items] Debt Instrument [Line Items] Debt instrument, maturity term Debt Instrument, Term Property, plant and equipment, net Property, plant and equipment, net Property, Plant and Equipment, Net 2028 Lessee, Operating Lease, Liability, to be Paid, Year Four Cash flows from operating activities: Net Cash Provided by (Used in) Operating Activities [Abstract] Debt instrument covenant liquidity Debt Instrument Covenant Liquidity Debt instrument covenant liquidity. Convertible Debt, Total Issuance and sale of convertible notes Convertible Debt Common stock, par value Common Stock, Par or Stated Value Per Share Repayment of convertible note Repayments of Notes Payable Contract with Customer, Liability, Total Beginning Balance Ending Balance Contract with Customer, Liability BASF [Member] Basf [Member] BASF. Statement of Cash Flows [Abstract] Counterparty Name Counterparty Name [Axis] Antidilutive Securities, Name Antidilutive Securities, Name [Domain] Restricted Common Stock Awards [Member] Restricted Stock [Member] Prepayment Liability [Member] Prepayment Liability [Member] Prepayment Liability [Member] Prepayment liability. Equity Components Equity Components [Axis] Entity Address, Address Line One Entity Address, Address Line One Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Computation of Basic and Diluted Net Income (Loss) Per Share Accretion of interest on convertible note - related party Accretion Of Interest On Convertible Note Related Party Accretion of interest on convertible note related party. Employee-related Liabilities, Current, Total Employee compensation Employee-related Liabilities, Current EV Thermal Barrier [Member] E V Thermal Barrier [Member] EV thermal barrier. Schedule Of Related Party Transactions By Related Party [Table] Related Party Transaction [Table] Property Plant and Equipment [Line Items] Property, Plant and Equipment [Line Items] Subsequent Event Type Subsequent Event Type [Axis] Redemption price, percentage of principal amount redeemed Debt Instrument, Redemption Price, Percentage of Principal Amount Redeemed Other (expense) income, net Total other income (expense) Other expense, net Nonoperating Income (Expense) Summary of Potentially Dilutive Common Shares Excluded from Computation of Diluted Net Loss Per Share Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block] Non-Employee Directors [Member] Non Employee Directors [Member] Non-employee directors. Aggregate principal amount Line of Credit Facility, Maximum Borrowing Capacity Aggregate principal amount SOFR Cap [Member] Secured Overnight Financing Rate Sofr Cap [Member] Secured Overnight Financing Rate Sofr Cap. 2014 Equity Plan [Member] Two Thousand Fourteen Equity Plan [Member] Two thousand fourteen equity plan. Amendment Flag Amendment Flag Operating lease liabilities long-term Operating Lease, Liability, Noncurrent Finished goods Inventory, Finished Goods, Net of Reserves Debt Instrument, Name Debt Instrument, Name [Domain] Additional paid-in capital Additional Paid in Capital, Common Stock Price to the public per share Sale of Stock, Price Per Share SOFR Plus [Member] Secured Overnight Financing Rate (SOFR) Overnight Index Swap Rate [Member] Net income (loss) Net income earned Net income earned Lessee Lease Description [Table] Lessee, Lease, Description [Table] Proceeds from employee stock option exercises, shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Variable Rate Variable Rate [Domain] Research and Development Expenses [Member] Research and Development Expenses [Member] Customer [Domain] Debt instrument, interest rate terms Debt Instrument, Interest Rate Terms Schedule of MidCap Debt Schedule of Debt [Table Text Block] Equity Component Equity Component [Domain] Statistical Measurement Statistical Measurement [Domain] General and Administrative Expense, Total General and administrative General and Administrative Expense Disaggregation Of Revenue [Table] Disaggregation of Revenue [Table] Proceeds from revolver Proceeds from Lines of Credit Proceeds from Lines of Credit, Total Net Income (Loss), Including Portion Attributable to Noncontrolling Interest, Total Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Net income (loss) Preferred stock, shares issued Preferred Stock, Shares Issued Cash payments related to operating lease liabilities Operating Lease, Payments Proceeds from employee stock option exercises Proceeds from Stock Options Exercised Debt Instrument Unamortized Discount Debt Instrument, Unamortized Discount Debt Instrument, Unamortized Discount, Total Reduction/Charge for uncollectible accounts receivable Provision for bad debt Accounts Receivable, Credit Loss Expense (Reversal) Payables and Accruals [Abstract] Restricted cash to support our outstanding letters of credit Restricted cash Restricted Cash, Current Asia [Member] Asia [Member] Consolidation Items Consolidation Items [Axis] Capital commitments Investment Company, Committed Capital Convertible Notes [Line Items] Convertible Notes [Line Items] Convertible notes. Prepaid expenses and other current assets Prepaid Expense and Other Assets, Current Collaborative Arrangement and Arrangement Other than Collaborative Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Common Stock, Shares, Outstanding, Ending Balance Common Stock, Shares, Outstanding, Beginning Balance Common stock, shares outstanding Common Stock, Shares, Outstanding Amount available under revolving line of credit Available borrowing capacity Line of Credit Facility, Current Borrowing Capacity Preferred stock, par value Preferred Stock, Par or Stated Value Per Share Percentage of common stock closing price per share of conversion price Percentage Of Closing Price Per Share Of Common Stock Percentage of closing price per share of common stock. 2022 Convertible Notes [Member] Two Thousand And Twenty Two Convertible Notes Member 2022 convertible notes. Revenue Benchmark [Member] Revenue [Member] Issuance costs from revolver Repayments of Lines of Credit Antidilutive Securities Antidilutive Securities [Axis] Georgia [Member] GEORGIA Period of option to purchase Period of Option to Purchase Period of option to purchase. Entity Interactive Data Current Entity Interactive Data Current Reduction in the carrying amount of operating lease right-of-use assets Increase Decrease In Operating Lease Right Of Use Assets Increase (decrease) in operating lease right of use assets. Cost of Product Revenue [Member] Cost of Sales [Member] Convertible notes redemption percentage Debt Instrument, Redemption Price, Percentage

Document Quarterly Report Document Quarterly Report Summary of Convertible Notes Convertible Debt [Table Text Block] Consolidated Entities [Axis] Related Party Transactions Related Party Transactions Disclosure [Text Block] Statement of Financial Position Location, Balance [Axis] Statistical Measurement Statistical Measurement [Axis] Underwritten Public Offering [Member] Underwritten Public Offering [Member] Underwritten public offering. Cost of Goods and Services Sold, Total Cost of revenue Cost of Goods and Services Sold Operating lease cost Operating Lease, Cost Convertible Note [Member] Convertible Debt [Member] Related Party Related and Nonrelated Parties [Domain] Koch Strategic Platforms (KSP) [Member] Koch Strategic Platforms L L C [Member] Koch Strategic Platforms, LLC . Summary of Revenue Disaggregated by Geographical Region and Source of Revenue Disaggregation of Revenue [Table Text Block] Selling and Marketing Expense, Total Sales and marketing Selling and Marketing Expense Summary of Maturities of Operating Lease Liabilities Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Non-Qualified Stock Options [Member] Non Qualified Stock Options [Member] Non qualified stock options. Supply and Joint Development Agreement Amended [Member] Supply And Joint Development Agreement Amended [Member] Supply and joint development agreement amended. Increased number of shares available for grant Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Proceeds from private placement of common stock Proceeds from Issuance of Private Placement CARES Act refundable tax credit. CARES Act refundable tax credit CARES Act refundable tax credit Machinery and Equipment [Member] Machinery and Equipment [Member] Thereafter [Member] Thereafter [Member] Thereafter. Income Statement Location Statement of Income Location, Balance [Axis] Total assets Total assets Assets Finance obligation for sale and leaseback transactions long-term Finance obligation for sale and leaseback transactions noncurrent Finance obligation for sale and leaseback transactions noncurrent. Schedule of Long-Term Debt Instruments [Table] Impairment of property, plant and equipment Impairment charges of property, plant and equipment Impairment of Long-Lived Assets to be Disposed of Issuance costs from private placement of common stock Adjustments to Additional Paid in Capital, private placement of common stock, Issuance Costs Adjustments to additional paid in capital, private placement of common stock, issuance costs. Recently Issued Accounting Standards New Accounting Pronouncements, Policy [Policy Text Block] Entity Address, City or Town Entity Address, City or Town Equity [Abstract] Initial conversion rate of convertible notes Initial Conversion Rate Of Convertible Notes Initial conversion rate of convertible notes. Segments Segments [Axis] Fees and issuance costs from at-the-market offering Issuance costs Payments of Stock Issuance Costs Canada [Member] CANADA Two customers. Two Customers [Member] Two Customers [Member] Floor Rate [Member] Interest Rate Floor [Member] Exit fee Exit fee amount Debt Instrument Exit Fee Amount Debt instrument exit fee amount. Depreciation, Total Depreciation Depreciation Numerator: Net Income (Loss) Attributable to Parent [Abstract] Schedule Of Segment Reporting Information By Segment [Table] Schedule of Segment Reporting Information, by Segment [Table] Europe [Member] Europe [Member] Private Placement [Member] Private Placement [Member] Purchase commitments spent over period Long-Term Purchase Commitment, Period Stock based compensation Share-Based Payment Arrangement [Text Block] Construction in Progress [Member] Construction in Progress [Member] Increased number of shares authorized for grant Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized Borrower [Member] Borrower [Member] Borrower. Operating lease, weighted average discount rate, percent Operating Lease, Weighted Average Discount Rate, Percent Thereafter Lessee Operating Lease Liability Payments Due After Year Four Lessee operating lease liability payments due after year four. Proceeds from offering, net Stock Issued During Period, Value, New Issues Proceeds from employee stock option exercises Stock Issued During Period, Value, Stock Options Exercised Lessee Lease Description [Line Items] Lessee, Lease, Description [Line Items] Current liabilities: Liabilities, Current [Abstract] Summary of Capitalized Implementation Costs are Classified on the Consolidated Balance Sheets Schedule Of Capitalized Implementation Costs Table [Text Block] Schedule of capitalized implementation costs. Accounts Receivable [Member] Accounts Receivable [Member] Document Type Document Type Underwriting Agreement [Member] Underwriting Agreement. Title of 12(b) Security Title of 12(b) Security Unrestricted cash and cash equivalents Cash and Cash Equivalents, at Carrying Value, Total Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Statement of Financial Position Location, Balance [Domain] Debt Instrument, Redemption, Period [Axis] Document Fiscal Period Focus Document Fiscal Period Focus Research and Development Expense, Total Research and development Research and Development Expense Payments made for employee restricted stock tax withholdings Payment, Tax Withholding, Share-Based Payment Arrangement Stock-based awards granted to purchase common stock Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross Credit, Security and Guaranty Agreement with MidCap Financial [Member] Credit, Security and Guaranty Agreement with MidCap Financial [Member] Credit, Security and Guaranty Agreement with MidCap Financial member. Property, Plant and Equipment, Gross, Ending Balance Property, Plant and Equipment, Gross, Beginning Balance Property, Plant and Equipment, Gross, Total Property, plant and equipment, gross Property, Plant and Equipment, Gross Subsequent Event Type Subsequent Event Type [Domain] Convertible Note - Related Party Convertible Notes Related Party [Text Block] Convertible notes related party. Additions Contract With Customer Liability Additions Contract with customer liability additions. Outstanding finance obligation Outstanding Finance Obligation Outstanding finance obligation. Deductions Contract With Customer Liability Deductions Contract with customer liability deductions. Minimum borrowing capacity as percentage of available borrowing capacity Line Of Credit Facility Minimum Borrowing Capacity As Percentage Of Available Borrowing Capacity Line of credit facility minimum borrowing capacity as percentage of available borrowing capacity. Operating Segment Operating Segments [Member] Nolv [Member] Nolv [Member] Nolv. Sale of Stock Sale of Stock [Axis] Cash flows from investing activities: Net Cash Provided by (Used in) Investing Activities [Abstract] Thermal Barrier [Member] Thermal Barrier [Member] Thermal barrier. Basis Of Presentation [Line Items] Basis Of Presentation [Line Items] Basis of presentation. Payroll Services Agreement [Member] Payroll services agreement. Total revenue Revenue Revenue from Contract with Customer, Excluding Assessed Tax Sale and leaseback arrangement date Sale Leaseback Transaction, Date Income Taxes Income Tax Disclosure [Text Block] Silicon Valley Bank Credit Facility [Member] Silicon Valley Bank Credit Facility [Member] Silicon Valley Bank credit facility. Convertible Notes [Abstract] Convertible notes. Consolidated Entities [Domain] Employee retention credits receivable. Employee Retention Credits Receivable Employee retention credits receivable Line of Credit Facility [Line Items] Line of Credit Facility [Line Items] Short-Term Debt, Type Short-Term Debt, Type [Axis] Credit Facility Credit Facility [Domain] Contractual recoverable, net Contractual Recoverable Amount Contractual recoverable amount. Short-Term Debt, Type Short-Term Debt, Type [Domain] Other accrued expenses Other Accrued Liabilities, Current Increase (Decrease) in Accounts Payable, Total Accounts payable Increase (Decrease) in Accounts Payable Entity Address, Address Line Two Entity Address, Address Line Two Liabilities and Stockholdersâ€™ Equity Liabilities and Equity [Abstract] Document Period End Date Document Period End Date Net Cash Provided by (Used in) Financing Activities Net cash provided by (used in) financing activities Stock Issued During Period, Shares, Restricted Stock Award, Gross Issuance of restricted stock, shares Reimbursement received from cost of revenues for inventory obsolescence and contractual recoverable amount Reimbursement Received From Cost Of Revenues For Inventory Obsolescence And Contractual Recoverable Amount Reimbursement received from cost of revenues for inventory obsolescence and contractual recoverable amount. Anti-dilutive Securities Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount APIC, Share-Based Payment Arrangement, Increase for Cost Recognition, Total Stock compensation expense APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Stock-based compensation expense Customer B. Customer B [Member] Customer B [Member] Proceeds from offering, net Sale of Stock, Consideration Received on Transaction Cost of revenue. Cost of Revenue [Member] Sale and leaseback transaction one-time cash payment Sale And Leaseback Transaction One Time Cash Payment Sale and leaseback transaction one time cash payment. Total Accrued expenses Accrued Liabilities, Current Income tax expense Income tax expense Income Tax Expense (Benefit) Income Tax Expense (Benefit), Total Trading Symbol Trading Symbol Ricardo C. Rodriguez. Ricardo C Rodriguez [Member] Ricardo C. Rodriguez Variable Rate Variable Rate [Axis] Total stockholdersâ€™ equity Beginning balance Ending balance Equity, Attributable to Parent Interest rate description Debt Instrument, Description of Variable Rate Basis First Year After the Closing Date [Member] First Year After The Closing Date[Member] First year after the closing date. At-The-Market Offering [Member] At The Market Offerings [Member] At-the-market offering. Long-Lived Tangible Asset Long-Lived Tangible Asset [Axis] Deferred financing costs written off Deferred financing costs written off Deferred financing costs written off. Derivative Instrument Derivative Instrument [Axis] Asset Based Revolving Credit Facility [Member] Asset Based Revolving Credit Facility [Member] Asset based revolving credit facility. Restricted Common Stock Units [Member] Restricted Stock Units [Member] Restricted Stock Units (RSUs) [Member] Purchase of additional shares of common stock Sale of Stock, Number of Shares Issued in Transaction Common stock issuable upon conversion of convertible notes Conversion of Stock, Shares Issued Related Party Transactions [Abstract] Other Liabilities Disclosure [Abstract] Schedule Of Property Plant And Equipment [Table] Property, Plant and Equipment [Table] Standard product warranty period Standard Product Warranty Period Standard product warranty period. Koch Disruptive Technologies LLC. Koch Disruptive Technologies LLC [Member] Koch Disruptive Technologies LLC [Member] Summary of Stock Based Compensation Included in Cost of Revenue or Operating Expenses Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table Text Block] Geographical Geographical [Axis] Capitalized costs related to implementation of agreement Capitalized Costs Related To Implementation Of Agreement Capitalized costs related to implementation of agreement. Operating real estate lease liability payments not yet commenced Lessee Operating Real Estate Lease Liability Payments Not Yet Commenced Lessee operating real estate lease liability payments not yet commenced. Leases [Abstract] Use of Estimates Use of Estimates, Policy [Policy Text Block] Proceeds from term loan Proceeds from Issuance of Long-Term Debt Proceeds from Issuance of Long-Term Debt, Total Summary Of Significant Accounting Policies [Table] Summary Of Significant Accounting Policies [Table] Summary of significant accounting policies. Concentration Risk, Percentage Concentration risk percentage Line of Credit Facility, Initiation Date Senior secured term loan, Draw beginning date Convertible notes redemption terms Debt Instrument, Redemption, Description Loan Agreement [Member] Second Amended And Restated Loan And Security Agreement [Member] Second amended and restated loan and security agreement. Inventory obsolescence Cost Of Revenues For Inventory Obsolescence And Impairment Of Equipment Cost of revenues for inventory obsolescence and impairment of equipment. Repayment of finance obligation for sale and leaseback transactions. Repayment of finance obligation for sale and leaseback transactions Repayment of finance obligation for sale and leaseback transactions Summary of Changes in Contract Assets and Contract Liabilities Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Exit fee Debt Instrument Exit Fee Debt instrument exit fee. Security Exchange Name Security Exchange Name Capitalized Interest Capitalized interest Interest Paid, Capitalized, Investing Activities International [Member] International [Member] International. Counterparty Name Counterparty Name [Domain] Corporate expenses Total operating expenses Operating Expenses Long-Lived Tangible Asset Long-Lived Tangible Asset [Domain] Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Ending Balance Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Beginning Balance Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Total Accumulated depreciation Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Secured Debt [Member] Secured Debt [Member] 2027 Lessee, Operating Lease, Liability, to be Paid, Year Three SOFR Floor [Member] Secured Overnight Financing Rate Sofr Floor [Member] Secured overnight financing rate Sofr floor. Subsequent Event [Member] Subsequent Event [Member] Maximum [Member] Maximum [Member] Total liabilities and stockholdersâ€™ equity Liabilities and Equity Sale and Leaseback Accounting Sale and Leaseback Accounting [Policy Text Block] Sale and Leaseback Accounting [Policy Text Block] Loss on extinguishment of debt Loss on extinguishment of debt Gain (Loss) on Extinguishment of Debt Gain (Loss) on Extinguishment of Debt, Total Operating lease right-of-use assets Operating Lease, Right-of-Use Asset C A R E S Act [Member] CARES Act [Member] Supplemental disclosures of cash flow information: Supplemental Cash Flow Information [Abstract] Prime Rate [Member] Prime Rate [Member] Earnings Per Share, Diluted, Total Diluted Earnings Per Share, Diluted Net income (loss) per share, diluted Leasehold Improvements [Member] Leasehold Improvements [Member] Total liabilities Liabilities Accounts Receivable, after Allowance for Credit Loss, Total Collections of accounts receivable Accounts Receivable, after Allowance for Credit Loss Term Loan Facility [Member] Term Loan Facility [Member] Term loan facility member. Payment in-kind Payment In Kind Payment in-kind. Total current assets Assets, Current Net cash used in investing activities Net Cash Provided by (Used in) Investing Activities Commitments And Contingencies [Line Items] Commitments And Contingencies [Line Items] Commitments and contingencies. Common stock sold Proceeds from offering, net, shares Stock Issued During Period, Shares, New Issues Stock-based award vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Entity Filer Category Entity Filer Category Property, Plant and Equipment [Abstract] Debt Instrument, Redemption, Period [Domain] Number of customers. Number Of Customers Number of customers Other income (expense) Nonoperating Income (Expense) [Abstract] Purchase price Debt Instrument, Repurchase Amount Current Fiscal Year End Date Current Fiscal Year End Date Less imputed interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount CARES Act employee retention credit. CARES Act Employee Retention Credit CARES Act Employee Retention Credits Purchase commitment, description Purchase Commitment, Description Related Party Related and Nonrelated Parties [Axis] Koch Project Solutions, LLC. Koch Project Solutions, LLC [Member] Koch Project Solutions, LLC [Member] Entity Registrant Name Entity Registrant Name Convertible debt noncurrent - related party. Convertible note - related party Convertible Debt Noncurrent Related Party Revenue Recognition [Line Items] Revenue Recognition [Line Items] Revenue recognition. Finance obligation for sale and leaseback transactions Finance obligation for sale and leaseback transactions current Finance obligation for sale and leaseback transactions current. Gross profit Segment Operating Profit (Loss) Gross Profit Number of reportable segments Number of Reportable Segments Costs recorded as a component of construction in progress Cost of Revenue Cost of Revenue, Total Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Earnings Per Share [Text Block] Net Income (Loss) Per Share Extended maturity date Existing maturity date Debt Instrument, Maturity Date Entity Emerging Growth Company Entity Emerging Growth Company Weighted Average Number of Shares Outstanding, Basic, Total Weighted average shares outstanding, basic Basic Weighted Average Number of Shares Outstanding, Basic Standard Product Warranty Accrual, Period Increase (Decrease), Total Standard Product Warranty Accrual, Period Increase (Decrease) Warranty reserves Interest income (expense) Interest Income (Expense), Nonoperating Convertible Note If Converted [Member] Convertible note, if converted. Convertible Note, if Converted [Member] Convertible Note If Converted [Member] Repayment of convertible note Repayments of Convertible Debt Common stock, shares authorized Common Stock, Shares Authorized Property, plant and equipment, Useful life Property, Plant and Equipment, Useful Life Non rule10B51 Arr modified flag. Non Rule10B51 Arr Modified Flag Proceeds from Issuance of Common Stock Proceeds from at-the-market offering, net of commissions of $2,269 Concentration Risk Type [Axis] Proceeds from sale and leaseback transactions Proceeds From Sale And Leaseback Transactions Proceeds from sale and leaseback transactions. Schedule of Prepayment Liability Schedule Of Prepayment Liability Table [Text Block] Schedule of prepayment liability. Debt Disclosure [Abstract] Restricted Stock, Value, Shares Issued Net of Tax Withholdings Employee restricted stock awards withheld for tax PIK Interest [Member] Payment in Kind (PIK) Note [Member] General and Administrative Expenses [Member] General and Administrative Expense [Member] Impairment, Long-Lived Asset, Held-for-Use, Total Impairment, Long-Lived Asset, Held-for-Use Impairment of equipment under development Revenue Recognition Revenue [Policy Text Block] Share-Based Payment Arrangement [Abstract] Current portion Debt, Current Debt, Current, Total Subsea Projects [Member] Subsea Projects [Member] Subsea Projects [Member] Subsea projects. Summary Of Significant Accounting Policies [Line Items] Summary Of Significant Accounting Policies [Line Items] Summary of significant accounting policies. Accounting Policies [Abstract] Supply Commitment Supply Commitment [Axis] Latin America [Member] Latin America [Member] Revolving line of credit Revolving line of credit outstanding amount Long-Term Line of Credit Long-Term Line of Credit, Total Income Tax Disclosure [Abstract] Purchase commitments Long-Term Purchase Commitment, Amount Raw materials Inventory, Raw Materials, Net of Reserves Stockholdersâ€™ equity: Equity, Attributable to Parent [Abstract] Supply Commitment Arrangement Supply Commitment Arrangement [Domain] Repayment of prepayment liability Contract With Customer Prepayment Liability Repayment Contract with customer prepayment liability repayment. Supplemental disclosures of non-cash activities: Cash Flow, Noncash Investing and Financing Activities Disclosure [Abstract] Statement [Table] Statement [Table] Summary of Property, Plant and Equipment Property, Plant and Equipment [Table Text Block] Operating lease, lease not yet commenced, term Lessee, Operating Lease, Lease Not yet Commenced, Term of Contract Subsequent Event [Table] Subsequent Event [Table] Convertible debt carried at amortized cost Convertible Debt Amortized Cost Convertible debt amortized cost. Cloud computing costs included in other assets Cloud Computing Costs Included In Other Assets Cloud computing costs included in other assets. Preferred stock, shares authorized Preferred Stock, Shares Authorized Entity File Number Securities Act File Number Segment Information Segment Reporting Disclosure [Text Block] Denominator: Earnings Per Share, Basic, Other Disclosure [Abstract] Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Net decrease in cash, cash equivalents and restricted cash Sale and Leaseback Accounting Sale Leaseback Transactions, Policy [Policy Text Block] Mexican Subsidiary Mexican Subsidiary [Member] Mexican subsidiary. Revenue from Contract with Customer [Abstract] Earnings Per Share [Abstract] Net income (loss) per share: Inventory Disclosure [Abstract] Statement of Financial Position [Abstract] Number of shares either issued or reserved in connection with statutory tax withholdings Share Based Compensation Arrangement By Share Based Payment Award Number Of Shares Issued Or Reserved For Issuance Share-based compensation arrangement by share-

based payment award, number of shares issued or reserved for issuance. Income (loss) from operations Operating loss Operating Income (Loss) Operating profit (loss) Operating lease expiry year Operating Lease Expiry Year Operating lease expiry year. Entity Shell Company Entity Shell Company Line Of Credit Facility [Table] Line of Credit Facility [Table] Fees and issuance costs from private placement of common stock Payments Of Fees And Issuance Costs From Private Placement Of Common Stock Payments of fees and issuance costs from private placement of common stock. Revolving Line of Credit Revolving Line Of Credit [Text Block] Revolving line of credit. Common Stock Options [Member] Common Stock Options [Member] Common stock options. Prepayment of loan percentage Debt Instrument, Interest Rate, Effective Percentage Entity Tax Identification Number Entity Tax Identification Number Cancellation of restricted stock Stock Issued During Period, Value, Restricted Stock Award, Forfeitures Assets Assets [Abstract] Construction in progress Construction in Progress, Gross Entity Current Reporting Status Entity Current Reporting Status Common stock per capitalized principal Common Stock Per Capitalized Principal Common stock per capitalized principal. Reimbursement received from cost of revenues for inventory obsolescence and impairment of equipment. Reimbursement Received From Cost Of Revenues For Inventory Obsolescence And Impairment Of Equipment Reimbursement received from cost of revenues for inventory obsolescence and impairment of equipment Cancellation of restricted stock, shares Cancellation of restricted stock, shares Issuance costs from private placement of common stock Stock Issued During Period, Shares, Restricted Stock Award, Forfeited Property, Plant and Equipment, Net Property, Plant and Equipment Disclosure [Text Block] Steven R. Mitchell. Steven R Mitchell [Member] Steven R. Mitchell Revolving credit facility, interest rate Line of Credit Facility, Interest Rate During Period Long-Term Debt, Type Long-Term Debt, Type [Axis] Subsequent Events [Abstract] Inventories Inventory Disclosure [Text Block] Deferred revenue Increase (Decrease) in Contract with Customer, Liability Operating lease liability payments not yet commenced Lessee Operating Lease Liability Payments Not Yet Commenced Lessee operating lease liability payments not yet commenced. Proceeds from issuance of convertible note related party Proceeds From Issuance Of Convertible Note Related Party Proceeds from issuance of convertible note related party. Geographical Geographical [Domain] Document Fiscal Year Focus Document Fiscal Year Focus Rule 10b5-1 Arr Modified Flag Rule 10b5-1 Arr Modified Flag Convertible note, principal Issuance and sale of convertible notes Convertible Debt Principal Amount Convertible debt principal amount. One customer. One Customer [Member] One Customer [Member] Other Current Assets [Text Block] Other Current Assets Number of Subsidiaries Number Of Subsidiaries Number of subsidiaries. Preferred stock, $0.00001 par value; 5,000,000 shares authorized, no shares issued and outstanding at September 30, 2024 and December 31, 2023 Preferred Stock, Value, Issued Issuance costs from term loan Repayments of Long-Term Debt Repayments of Long-Term Debt, Total Cash, cash equivalents and restricted cash at beginning of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations, Total Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Cash, cash equivalents and restricted cash at end of period Accounts of Borrowers [Member] Accounts of borrowers. City Area Code City Area Code Purchase price of notes percentage Purchase Price Of Notes Percentage Purchase price of notes percentage. Total debt Debt, Long-Term and Short-Term, Combined Amount Letters of credit outstanding Letters of Credit Outstanding, Amount Total current liabilities Liabilities, Current Derivative Contract Derivative Contract [Domain] Line of Credit Facility, Lender Line of Credit Facility, Lender [Domain] Percentage of unused portion of facility, monthly fee Line of Credit Facility, Unused Capacity, Commitment Fee Percentage Total Inventories Inventory, Net 2023 Equity Plan. Twenty Twenty Three Equity Plan [Member] 2023 Equity Plan [Member] Liquidity Liquidity Policy [Text Block] Liquidity. Number of trading days on conversion price Number Of Trading Days Number of trading days. Convertible Notes [Member] Convertible Notes [Member] Convertible notes member. Organization, Consolidation and Presentation of Financial Statements [Abstract] Local Phone Number Local Phone Number Charge recognized in cost of revenues for inventory obsolescence and impairment of equipment charge recognized in cost of revenues for inventory obsolescence and impairment of equipment Charge recognized in cost of revenues for inventory obsolescence and impairment of equipment. Preferred Stock, Shares Outstanding, Ending Balance Preferred Stock, Shares Outstanding, Beginning Balance Preferred stock, shares outstanding Preferred Stock, Shares Outstanding Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Operating real estate lease liability payments not yet commenced, term Lessee Operating Real Estate Lease Liability Not Yet Commenced Term Of Contract1 Lessee operating real estate lease liability not yet commenced term of contract1 Accrued interest Accrued Interest Accrued interest. Restricted Stock, Shares Issued Net of Shares for Tax Withholdings Employee restricted stock awards withheld for tax, shares Non-Employee Directors [Member] Non Employee Director [Member] Non-employee director. Commitments and Contingencies Disclosure [Abstract] Term loan issuance costs Term loan issuance costs Debt Issuance Costs, Net, Total Debt issuance costs, net of accumulated amortization Debt Issuance Costs, Net Debt issuance costs, net of accumulated amortization Operating lease liabilities Operating Lease, Liability, Current Cash liquidity Guarantee Agreement Cash Liquidity Guarantee agreement cash liquidity. Allowance for accounts receivable and contract assets Allowance For Doubtful Accounts Receivable And Sales Return Reserve Allowance for doubtful accounts receivable and sales return reserve. Debt Instrument Effective Interest Rate Debt Instrument, Interest Rate, Stated Percentage Accumulated Deficit [Member] Retained Earnings [Member] Underwriters Option [Member] Over-Allotment Option [Member] Prepaid Expenses and Other Current Assets [Member] Prepaid Expenses and Other Current Assets [Member] Payments to Acquire Property, Plant, and Equipment, Total Capital expenditures Payments to Acquire Property, Plant, and Equipment Unamortized stock compensation costs Unamortized stock-based compensation costs Unamortized stock-based compensation costs. Accrued Liabilities, Current [Abstract] Document Transition Report Document Transition Report 2026 Lessee, Operating Lease, Liability, to be Paid, Year Two Schedule Of Antidilutive Securities Excluded From Computation Of Earnings Per Share [Table] Antidilutive Security, Excluded EPS Calculation [Table] Concentration of Credit Risk Concentration Risk, Credit Risk, Policy [Policy Text Block] Minimum [Member] Minimum [Member] Common Stock [Member] Common Stock [Member] Common Stock [Member] Robert M. Gervis [Member] Robert M. Gervis [Member] Robert M. Gervis [Member] Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Accrued Expenses Accounts Payable and Accrued Liabilities Disclosure [Text Block] Additional Paid-in Capital Additional Paid-in Capital [Member] CARES Act refundable tax credit percentage. CARES Act refundable tax credit percentage CARES Act refundable tax credit percentage Mexican Maquiladora Operations [Member] Mexican Maquiladora Operations [Member] Mexican maquiladora operations. Adjusted amortization period Capitalized Contract Cost, Amortization Period Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Adjustments to reconcile net income (loss) to net cash used in operating activities: Income Statement Location Statement of Income Location, Balance [Domain] 2025 Lessee, Operating Lease, Liability, to be Paid, Year One Other long-term assets Other Assets, Noncurrent Segments Segments [Domain] Schedule of Inventories Schedule of Inventory, Current [Table Text Block] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Changes in accrued capital expenditures Increase (Decrease) in Accrued Liabilities and Other Operating Liabilities Disaggregation Of Revenue [Line Items] Disaggregation of Revenue [Line Items] Property, Plant, and Equipment, Useful Life, Term, Description [Extensible Enumeration] Unaudited Interim Financial Information Basis of Accounting, Policy [Policy Text Block] Title of Individual Title and Position [Domain] Common stock, $0.00001 par value; 250,000,000 shares authorized, 77,155,896 and 76,503,151 shares issued and outstanding at September 30, 2024 and December 31, 2023, respectively Common Stock, Value, Issued Revolving line of credit Line of credit facility amount withdrawn Line of Credit, Current Accounts paid current. Accounts Paid Current Accounts Paid Enterprise Resource Planning Software [Member] Enterprise Resource Planning Software [Member] Enterprise Resource Planning Software. Redemption price less capitalized principal amount and accrued interest Redemption Price Less Capitalized Principal Amount and Accrued Interest Redemption price less capitalized principal amount and accrued interest. Operating Lease, Liability, Total Total lease liabilities Operating Lease, Liability Income Taxes [Table] Income Taxes [Table] Income Taxes [Table] Schedule of Accrued Expenses Schedule of Accrued Liabilities [Table Text Block] Commitments and contingencies (Note 9) Commitments and Contingencies Income Taxes Paid Income taxes paid Weighted Average Number of Shares Outstanding, Diluted, Total Weighted average shares outstanding, diluted Diluted Weighted Average Number of Shares Outstanding, Diluted Significant Accounting Policies Significant Accounting Policies [Text Block] Convertible note Issuance and sale of convertible debt Convertible Debt, Noncurrent Summary of Revenue and Segment Operating Profit Schedule of Segment Reporting Information, by Segment [Table Text Block] Accounts receivable, net of allowances of $898 and $230 Accounts Receivable, after Allowance for Credit Loss, Current, Total Accounts Receivable, after Allowance for Credit Loss, Current Total lease payments Lessee, Operating Lease, Liability, to be Paid Increase (Decrease) in Inventories, Total Inventories Increase (Decrease) in Inventories Weighted-average common shares outstanding: Weighted Average Number of Shares Outstanding, Diluted [Abstract] 2014 Employee Director and Consultant Equity Incentive Plan [Member] Two Thousand And Fourteen Employee Director And Consultant Equity Incentive Plan [Member] 2014 employee director and consultant equity incentive plan member. Concentration Risk Benchmark [Domain] Convertible Notes [Table] Convertible Notes [Table] Convertible notes. Entity Small Business Entity Small Business Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Conversion notes effective conversion price per share decrease Conversion Notes Effective Conversion Price Per Share Decrease Conversion notes effective conversion price per share decrease. Term loan facility interest rate Additional interest rate per annum Debt Instrument, Basis Spread on Variable Rate Debt Debt Disclosure [Text Block] Credit Facility Credit Facility [Axis] Revolving Credit Facility [Member] Revolving Credit Facility [Member] Stock Issued During Period, Shares, Restricted Stock Award, Net of Forfeitures, Total Vesting of restricted stock units, shares Stock Issued During Period, Shares, Restricted Stock Award, Net of Forfeitures CARES Act Payroll Tax Deferral Other Liabilities Disclosure [Text Block] Cash flows from financing activities: Net Cash Provided by (Used in) Financing Activities [Abstract] Restricted Cash Restricted Cash [Policy Text Block] Restricted cash. Amortized Debt Discount Premium Amortization of Debt Discount (Premium) Loan Agreement. Loan Agreement [Member] Loan Agreement [Member] Current portion of prepayment liability Current portion of prepayment liability Contract With Customer Prepayment Liability Current Contract with customer prepayment liability current. CARES Act qualified wages per employee for refundable tax credit. CARES Act qualified wages per employee for refundable tax credit CARES Act qualified wages per employee for refundable tax credit Amortized costs related to implementation of agreement Amortized Costs Related To Implementation Of Agreement Amortized costs related to implementation of agreement. Right-of-use assets obtained in exchange for new operating lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Pre-construction costs Pre Construction Costs Pre-construction costs. Term Loan [Member] Term Loan [Member] Term loan. At The Market Offering [Member] At Market Offering [Member] At-the-market offering. Revolving credit facility percentage Line of Credit Facility, Commitment Fee Percentage Percentage cost Operating lease, weighted average remaining lease term Operating Lease, Weighted Average Remaining Lease Term Subsequent Events Subsequent Events [Text Block] Cloud Computing Agreement [Member] Cloud Computing Agreement [Member] Cloud Computing Agreement. Accounts Payable, Current, Total Accounts payable Accounts Payable, Current Accounts Payable Energy Industrial [Member] Energy Industrial [Member] Energy industrial. Sale and leaseback rent payment term Sale Leaseback Transaction, Lease Term Buildings [Member] Building [Member] SOFR [Member] Secured Overnight Financing Rate (SOFR) [Member] Schedule Of Basis Of Presentation [Table] Schedule Of Basis Of Presentation [Table] Schedule Of Basis Of Presentation [Table] Increase (Decrease) in Accrued Liabilities, Total Accrued expenses Increase (Decrease) in Accrued Liabilities XML 7 R1.htm IDEA: XBRL DOCUMENT v3.24.3 Document and Entity Information - shares 9 Months Ended Sep. 30, 2024 Nov. 07, 2024 Cover [Abstract] Â Â  Document Type 10-Q Â  Amendment Flag false Â  Document Period End Date Sep. 30, 2024 Â  Document Fiscal Year Focus 2024 Â  Document Fiscal Period Focus Q3 Â  Trading Symbol ASPN Â  Entity Registrant Name ASPEN AEROGELS, INC. Â  Entity Central Index Key 0001145986 Â  Current Fiscal Year End Date --12-31 Â  Entity Filer Category Accelerated Filer Â  Entity Small Business false Â  Entity Emerging Growth Company false Â  Entity Common Stock, Shares Outstanding Â  82,047,288 Entity Current Reporting Status Yes Â  Entity Shell Company false Â  Entity File Number 001-36481 Â  Entity Tax Identification Number 04-3559972 Â  Entity Address, Address Line One 30 Forbes Road Â  Entity Address, Address Line Two Building B Â  Entity Address, State or Province MA Â  Entity Address, City or Town Northborough Â  Entity Address, Postal Zip Code 01532 Â  City Area Code 508 Â  Local Phone Number 691-1111 Â  Entity Interactive Data Current Yes Â  Title of 12(b) Security Common Stock, par value $0.00001 per share Â  Security Exchange Name NYSE Â  Entity Incorporation, State or Country Code DE Â  Document Quarterly Report true Â  Document Transition Report false 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 - DefinitionAddress Line 2 such as Street or Suite number + ReferencesNo definition available. + Details Name: dei_EntityAddressAddressLine2 Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the City or Town + ReferencesNo definition available. + Details Name: dei_EntityAddressCityOrTown Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionCode for the postal or zip code + ReferencesNo definition available. + Details Name: dei_EntityAddressPostalZipCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionName of the state or province. + ReferencesNo definition available. + Details Name: dei_EntityAddressStateOrProvince Namespace Prefix: dei_ Data Type: dei:stateOrProvinceItemType Balance Type: na Period Type: duration X - DefinitionA unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityCentralIndexKey Namespace Prefix: dei_ Data Type: dei:centralIndexKeyItemType Balance Type: na Period Type: duration X - DefinitionIndicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument. + ReferencesNo definition available. + Details Name: dei_EntityCommonStockSharesOutstanding Namespace Prefix: dei_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionIndicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesNo definition available. + Details Name: dei_EntityCurrentReportingStatus Namespace Prefix: dei_ Data Type: dei:yesNoItemType

Balance Type: na Period Type: duration X - DefinitionIndicate if registrant meets the emerging growth company criteria. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityEmergingGrowthCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionCommission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen. + ReferencesNo definition available. + Details Name: dei_EntityFileNumber Namespace Prefix: dei_ Data Type: dei:fileNumberItemType Balance Type: na Period Type: duration X - DefinitionIndicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityFilerCategory Namespace Prefix: dei_ Data Type: dei:filerCategoryItemType Balance Type: na Period Type: duration X - DefinitionTwo-character EDGAR code representing the state or country of incorporation. + ReferencesNo definition available. + Details Name: dei_EntityIncorporationStateCountryCode Namespace Prefix: dei_ Data Type: dei:edgarStateCountryItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-T -Number 232 -Section 405 + Details Name: dei_EntityInteractiveDataCurrent Namespace Prefix: dei_ Data Type: dei:yesNoItemType Balance Type: na Period Type: duration X - DefinitionThe exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityRegistrantName Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionBoolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityShellCompany Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionIndicates that the company is a Smaller Reporting Company (SRC). + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntitySmallBusiness Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionThe Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b-2 + Details Name: dei_EntityTaxIdentificationNumber Namespace Prefix: dei_ Data Type: dei:employerIdItemType Balance Type: na Period Type: duration X - DefinitionLocal phone number for entity. + ReferencesNo definition available. + Details Name: dei_LocalPhoneNumber Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration X - DefinitionTitle of a 12(b) registered security. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection b + Details Name: dei_Security12bTitle Namespace Prefix: dei_ Data Type: dei:securityTitleItemType Balance Type: na Period Type: duration X - DefinitionName of the Exchange on which a security is registered. + ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Exchange Act -Number 240 -Section 12 -Subsection d1-1 + Details Name: dei_SecurityExchangeName Namespace Prefix: dei_ Data Type: dei:edgarExchangeCodeItemType Balance Type: na Period Type: duration X - DefinitionTrading symbol of an instrument as listed on an exchange. + ReferencesNo definition available. + Details Name: dei_TradingSymbol Namespace Prefix: dei_ Data Type: dei:tradingSymbolItemType Balance Type: na Period Type: duration XML 8 R2.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Balance Sheets - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Current assets: Â  Â  Cash and cash equivalents $ 113,489 $ 139,723 Restricted cash 394 248 Accounts receivable, net of allowances of $898 and $230 115,199 69,995 Inventories 47,430 39,189 Prepaid expenses and other current assets 29,344 17,176 Total current assets 305,856 266,331 Property, plant and equipment, net 451,569 417,227 Operating lease right-of-use assets 20,373 17,212 Other long-term assets 4,789 2,278 Total assets 782,587 703,048 Current liabilities: Â  Â  Accounts payable 42,280 51,094 Accrued expenses 26,531 22,811 Deferred revenue 2,405 2,316 Finance obligation for sale and leaseback transactions 3,653 Â  Operating lease liabilities 3,181 1,874 Long term debt - current portion 26,250 Â  Total current liabilities 104,300 78,095 Revolving line of credit 42,735 Â  Long term debt 93,674 Â  Convertible note - related party Â  114,992 Finance obligation for sale and leaseback transactions long-term 10,486 Â  Operating lease liabilities long-term 23,742 21,906 Total liabilities 274,937 214,993 Commitments and contingencies (Note 9) Stockholdersâ€™ equity: Â  Â  Preferred stock, $0.00001 par value; 5,000,000 shares authorized, no shares issued and outstanding at September 30, 2024 and December 31, 2023 Common stock, $0.00001 par value; 250,000,000 shares authorized, 77,155,896 and 76,503,151 shares issued and outstanding at September 30, 2024 and December 31, 2023, respectively 0 0 Additional paid-in capital 1,179,239 1,161,657 Accumulated deficit (671,589) (673,602) Total stockholdersâ€™ equity 507,650 488,055 Total liabilities and stockholdersâ€™ equity $ 782,587 $ 703,048 X - DefinitionConvertible debt noncurrent - related party. + ReferencesNo definition available. + Details Name: aspn_ConvertibleDebtNoncurrentRelatedParty Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFinance obligation for sale and leaseback transactions current. + ReferencesNo definition available. + Details Name: aspn_FinanceObligationForSaleAndLeasebackTransactionsCurrent Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFinance obligation for sale and leaseback transactions noncurrent. + ReferencesNo definition available. + Details Name: aspn_FinanceObligationForSaleAndLeasebackTransactionsNoncurrent Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionRevolving line of credit. + ReferencesNo definition available. + Details Name: aspn_RevolvingLineOfCredit Namespace Prefix: aspn_ 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 - DefinitionRepresents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur. + ReferencesReference 1: 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(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-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(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 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)(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(15)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommitmentsAndContingencies Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 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 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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. Excludes lease obligation. + 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://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 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://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 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_LongTermDebt 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 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 - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as current. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiabilityNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's right to use underlying asset under operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseRightOfUseAsset Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of noncurrent assets classified as other. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAssetsNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_PreferredStockValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_PrepaidExpenseAndOtherAssetsCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of 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 9 R3.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Balance Sheets (Parenthetical) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Statement of Financial Position [Abstract] Â Â Allowance for accounts receivable and contract assets $ 898 $ 230 Preferred stock, par value $ 0.00001 $ 0.00001 Preferred stock, shares authorized 5,000,000 5,000,000 Preferred stock, shares issued 0 0 Preferred stock, shares outstanding 0 0 Common stock, par value $ 0.00001 $ 0.00001 Common stock, shares authorized 250,000,000 250,000,000 Common stock, shares issued 77,155,896 76,503,151 Common stock, shares outstanding 77,155,896 76,503,151 X - DefinitionAllowance for doubtful accounts receivable and sales return reserve. + ReferencesNo definition available. + Details Name: aspn_AllowanceForDoubtfulAccountsReceivableAndSalesReturnReserve Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionFace amount or stated value per share of common stock. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of common shares permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_CommonStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionTotal number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards

Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_CommonStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares of common stock outstanding. Common stock represent the ownership interest in a corporation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_CommonStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionFace amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockParOrStatedValuePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionThe maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1 + Details Name: us-gaap_PreferredStockSharesAuthorized Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionNumber of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13 + Details Name: us-gaap_PreferredStockSharesIssued Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionAggregate share number for all nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer) held by stockholders. Does not include preferred shares that have been repurchased. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.6-05(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(16)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(7)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3 + Details Name: us-gaap_PreferredStockSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_StatementOfFinancialPositionAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 10 R4.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Statements of Operations - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Income Statement [Abstract] Â Â Â Â Revenue $ 117,340 $ 60,755 $ 329,611 $ 154,499 Cost of revenue 68,297 46,945 193,847 127,196 Gross profit 49,043 13,810 135,764 27,303 Operating expenses: Â Â Â Â Research and development 4,591 4,218 13,645 12,281 Sales and marketing 9,306 8,386 27,130 24,226 General and administrative 17,746 15,840 52,465 41,382 Impairment of equipment under development Â Â 2,702 Â Total operating expenses 31,643 28,444 95,942 77,889 Income (loss) from operations 17,400 (14,634) 39,822 (50,586) Other income (expense) Â Â Â Â Interest expense, convertible note - related party (1,469) (1,938) (7,550) (2,424) Interest income (expense) (1,147) 1,313 (883) 5,532 Income from Employee Retention Credits Â 2,186 Â 2,186 Loss on extinguishment of debt (27,487) Â (27,487) Â Total other income (expense) (30,103) 1,561 (35,920) 5,294 Income (loss) before income tax expense (12,703) (13,073) 3,902 (45,292) Income tax expense (267) Â (1,889) Â Net income (loss) $ (12,970) $ (13,073) $ 2,013 $ (45,292) Net income (loss) per share: Â Â Â Â Basic $ (0.17) $ (0.19) $ 0.03 $ (0.65) Diluted $ (0.17) $ (0.19) $ 0.03 $ (0.65) Weighted-average common shares outstanding: Â Â Â Â Basic 76,261,294 69,317,805 76,402,123 69,243,843 Diluted 76,261,294 69,317,805 79,149,193 69,243,843 X - DefinitionIncome from employee retention credits. + ReferencesNo definition available. + Details Name: aspn_IncomeFromEmployeeRetentionCredits Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionInterest income expense related party. + ReferencesNo definition available. + Details Name: aspn_InterestIncomeExpenseRelatedParty Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1 + Details Name: us-gaap_CostOfGoodsAndServicesSold Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-10Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareBasic Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-52Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482635/260-10-55-15Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (e)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-7Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-2Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(27)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-7 + Details Name: us-gaap_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. + 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 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-4 + Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt 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))

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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 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http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-2Reference 4: 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_ImpairmentOfLongLivedAssetsHeldForUse 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 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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 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http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Subparagraph (a) -SubTopic 20 -Topic 740 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482659/740-20-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(h)) -SubTopic 10 -Topic 235 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_IncomeTaxExpenseBenefit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of interest income (expense) classified as nonoperating. + ReferencesReference 1: 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-S99-2Reference 2: 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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 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 - DefinitionThe aggregate total amount of expenses directly related to the marketing or selling of products or services. + ReferencesNo definition available. + Details Name: us-gaap_SellingAndMarketingExpense 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 11 R5.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Statements of Stockholders' Equity - USD ($) $ in Thousands Total Common Stock [Member] Additional Paid-in Capital Accumulated Deficit [Member] Beginning balance at Dec. 31, 2022 $ 447,435 Â $ 1,075,226 $ (627,791) Beginning balance, shares at Dec. 31, 2022 Â 69,994,963 Â Â Net Income (Loss) (16,796) Â Â (16,796) Stock-based compensation expense 2,267 Â 2,267 Â Vesting of restricted stock units (385) Â (385) Â Vesting of restricted stock units, shares Â 71,643 Â Â Proceeds from employee stock option exercises 21 Â 21 Â Proceeds from employee stock option exercises, shares Â 2,554 Â Â Ending balance at Mar. 31, 2023 432,542 Â 1,077,129 (644,587) Ending balance, shares at Mar. 31, 2023 Â 70,069,160 Â Â Beginning balance at Dec. 31, 2022 447,435 Â 1,075,226 (627,791) Beginning balance, shares at Dec. 31, 2022 Â 69,994,963 Â Â Net Income (Loss) (45,292) Â Â Â Ending balance at Sep. 30, 2023 409,813 Â 1,082,896 (673,083) Ending balance, shares at Sep. 30, 2023 Â 70,226,633 Â Â Beginning balance at Mar. 31, 2023 432,542 Â 1,077,129 (644,587) Beginning balance, shares at Mar. 31, 2023 Â 70,069,160 Â Â Net Income (Loss) (15,423) Â Â (15,423) Stock-based compensation expense 2,710 Â 2,710 Â Issuance of restricted stock, shares Â 44,928 Â Â Vesting of restricted stock units (8) Â (8) Â Vesting of restricted stock units, shares Â 2,464 Â Â Proceeds from employee stock option exercises 150 Â 150 Â Proceeds from employee stock option exercises, shares Â 41,591 Â Â Ending balance at Jun. 30, 2023 419,971 Â 1,079,981 (660,010) Ending balance, shares at Jun. 30, 2023 Â 70,158,143 Â Â Net Income (Loss) (13,073) Â Â (13,073) Stock-based compensation expense 2,789 Â 2,789 Â Vesting of restricted stock units (9) Â (9) Â Vesting of restricted stock units, shares Â 2,662 Â Â Proceeds from employee stock option exercises 274 Â 274 Â Proceeds from employee stock option exercises, shares Â 65,828 Â Â Issuance costs from underwritten public offering (139) Â (139) Â Ending balance at Sep. 30, 2023 409,813 Â 1,082,896 (673,083) Ending balance, shares at Sep. 30, 2023 Â 70,226,633 Â Â Beginning balance at Dec. 31, 2023 488,055 Â 1,161,657 (673,602) Beginning balance, shares at Dec. 31, 2023 Â 76,503,151 Â Â Net Income (Loss) (1,835) Â Â (1,835) Stock-based compensation expense 2,532 Â Â Â Issuance costs from private placement of common stock (28) Â (28) Â Vesting of restricted stock units (1,081) Â (1,081) Â Vesting of restricted stock units, shares Â 118,289 Â Â Cancellation of restricted stock 2,174 Â 2,174 Â Cancellation of restricted stock, shares Â (679,796) Â Â Proceeds from employee stock option exercises 1,386 Â 1,386 Â Proceeds from employee stock option exercises, shares Â 136,286 Â Â Ending balance at Mar. 31, 2024 491,203 Â 1,166,640 (675,437) Ending balance, shares at Mar. 31, 2024 Â 76,077,930 Â Â Beginning balance at Dec. 31, 2023 488,055 Â 1,161,657 (673,602) Beginning balance, shares at Dec. 31, 2023 Â 76,503,151 Â Â Net Income (Loss) 2,013 Â Â Â Ending balance at Sep. 30, 2024 507,650 Â 1,179,239 (671,589) Ending balance, shares at Sep. 30, 2024 Â 77,155,896 Â Â Beginning balance at Mar. 31, 2024 491,203 Â 1,166,640 (675,437) Beginning balance, shares at Mar. 31, 2024 Â 76,077,930 Â Â Net Income (Loss) 16,818 Â Â 16,818 Stock-based compensation expense 2,971 Â 2,971 Â Issuance of restricted stock, shares Â 11,388 Â Â Employee restricted stock awards withheld for tax (1,810) Â (1,810) Â Employee restricted stock awards withheld for tax, shares Â (75,885) Â Â Vesting of restricted stock units (53) Â (53) Â Vesting of restricted stock units, shares Â 3,790 Â Â Proceeds from employee stock option exercises 8,698 Â 8,698 Â Proceeds from employee stock option exercises, shares Â 1,063,816 Â Â Ending balance at Jun. 30, 2024 517,827 Â 1,176,446 (658,619) Ending balance, shares at Jun. 30, 2024 Â 77,081,039 Â Â Net Income (Loss) (12,970) Â Â (12,970) Stock-based compensation expense 2,630 Â 2,630 Â Vesting of restricted stock units (124) Â (124) Â Vesting of restricted stock units, shares Â 11,784 Â Â Proceeds from employee stock option exercises 287 Â 287 Â Proceeds from employee stock option exercises, shares Â 63,073 Â Â Ending balance at Sep. 30, 2024 $ 507,650 Â $ 1,179,239 $ (671,589) Ending balance, shares at Sep. 30, 2024 Â 77,155,896 Â Â X - DefinitionAdjustments to additional paid in capital, private placement of common stock, issuance costs. + ReferencesNo definition available. + Details Name: aspn_AdjustmentsToAdditionalPaidInCapitalPrivatePlacementOfCommonStockIssuanceCosts Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionIssuance Costs from underwritten public offering. + ReferencesNo definition available. + Details Name: aspn_IssuanceCostsFromUnderwrittenPublicOffering Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 718 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480483/718-10-35-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-13Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 718 -SubTopic 20 -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481089/718-20-55-12 + Details Name: us-gaap_AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -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 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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, after shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation. + ReferencesNo definition available. + Details Name: us-gaap_RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionValue, after value of shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. Excludes cash used to satisfy grantee's tax withholding obligation. + ReferencesNo definition available. + Details Name: us-gaap_RestrictedStockValueSharesIssuedNetOfTaxWithholdings 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 of shares related to Restricted Stock Award forfeited during the 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://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_StockIssuedDuringPeriodSharesRestrictedStockAwardForfeited Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionTotal number of shares issued during the period, including shares forfeited, as a result of Restricted Stock Awards. + 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 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_StockIssuedDuringPeriodSharesRestrictedStockAwardGross Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionNumber of shares issued during the period related to Restricted Stock Awards, net of any shares forfeited. + 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_StockIssuedDuringPeriodSharesRestrictedStockAwardNetOfForfeitures 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 of stock related to Restricted Stock Awards forfeited during the 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://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_StockIssuedDuringPeriodValueRestrictedStockAwardForfeitures Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionValue of stock related to Restricted Stock Awards issued during the period, net of the stock value of such awards forfeited. + 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 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_StockIssuedDuringPeriodValueRestrictedStockAwardNetOfForfeitures 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 12 R6.htm IDEA: XBRL DOCUMENT v3.24.3 Consolidated Statements of Cash Flows - USD ($) 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Cash flows from operating activities: Â Â  Net income (loss) $ 2,013,000 $ (45,292,000) Adjustments to reconcile net income (loss) to net cash used in operating activities: Â Â  Depreciation 17,093,000 10,757,000 Accretion of interest on convertible note - related party 7,083,000 1,721,000 Amortization of debt discount due to modification of convertible note - related party 443,000 675,000 Loss on extinguishment of debt 27,487,000 Â Deferred financing costs written off 1,829,000 Â Provision for bad debt 139,000 (89,000) Stock-based compensation expense 10,307,000 7,766,000 Impairment of property, plant and equipment 6,810,000 0 Reduction in the carrying amount of operating lease right-of-use assets 1,990,000 2,186,000 Changes in operating assets and liabilities: Â Â  Accounts receivable (45,343,000) 3,026,000 Inventories (8,241,000) (11,883,000) Prepaid expenses and other assets (16,786,000) (6,771,000) Accounts payable 4,452,000 (420,000) Accrued expenses 1,890,000 691,000 Deferred revenue 89,000 (383,000) Operating lease liabilities (1,710,000) (1,845,000) Net cash provided (use) in operating activities 9,865,000 (39,833,000) Cash flows from investing activities: Â Â  Capital expenditures (71,511,000) (147,669,000) Net cash used in investing activities (71,511,000) (147,669,000) Cash flows from financing activities: Â Â  Proceeds from employee stock option exercises 10,371,000 445,000 Proceeds from sale and leaseback transactions 14,982,000 Â Repayment of finance obligation for sale and leaseback transactions (843,000) Â Payments made for employee restricted stock tax withholdings (1,258,000) (402,000) Repayment of convertible note (150,029,000) Â Proceeds from term loan 125,000,000 Â Issuance costs from term loan (5,337,000) Â Proceeds from revolver 43,000,000 Â Issuance costs from revolver (300,000) Â Fees and issuance costs from private placement of common stock (28,000) (139,000) Net cash provided by (used in) financing activities 35,558,000 (96,000) Net decrease in cash, cash equivalents and restricted cash (26,088,000) (187,598,000) Cash, cash equivalents and restricted cash at beginning of period 139,971,000 282,561,000 Cash, cash equivalents and restricted cash at end of period 113,883,000 94,963,000 Supplemental disclosures of cash flow information: Â Â  Interest paid 2,328,000 1,000 Supplemental disclosures of non-cash activities: Â Â  Right-of-use assets obtained in exchange for new operating lease liabilities 4,853,000 9,994,000 Capitalized interest Â 6,084,000 Changes in accrued capital expenditures (13,266,000) (17,193,000) Convertible Note [Member] Â Â  Adjustments to reconcile net income (loss) to net cash used in operating activities: Â Â  Amortization of convertible note issuance costs $ 320,000 $ 28,000 X - DefinitionAccretion of interest on convertible note related party. + ReferencesNo definition available. + Details Name: aspn_AccretionOfInterestOnConvertibleNoteRelatedParty Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmortization of debt discount due to modification of convertible note related party. + ReferencesNo definition available. + Details Name: aspn_AmortizationOfDebtDiscountDueToModificationOfConvertibleNoteRelatedParty Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDeferred financing costs written off. + ReferencesNo definition available. + Details Name: aspn_DeferredFinancingCostsWrittenOff Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (decrease) in operating lease liabilities. + ReferencesNo definition available. + Details Name: aspn_IncreaseDecreaseInOperatingLeaseLiabilities Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionIncrease (decrease) in operating lease right of use assets. + ReferencesNo definition available. + Details Name: aspn_IncreaseDecreaseInOperatingLeaseRightOfUseAssets Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPayments of fees and issuance costs from private placement of common stock. + ReferencesNo definition available. + Details Name: aspn_PaymentsOfFeesAndIssuanceCostsFromPrivatePlacementOfCommonStock Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionProceeds from sale and leaseback transactions. + ReferencesNo definition available. + Details Name: aspn_ProceedsFromSaleAndLeasebackTransactions Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionRepayment of finance obligation for sale and leaseback transactions. + ReferencesNo definition available. + Details Name: aspn_RepaymentOfFinanceObligationForSaleAndLeasebackTransactions Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of 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 amortization expense attributable to debt issuance costs. + 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(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 3: 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 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-3 + Details Name: us-gaap_AmortizationOfFinancingCosts 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 - ReferencesNo definition available. + Details Name: us-gaap_CashFlowNoncashInvestingAndFinancingActivitiesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionDifference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity. + 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 470 -SubTopic 50 -Section 40 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-2Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 470 -SubTopic 50 -Section 40 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481303/470-50-40-4 + Details Name: us-gaap_GainsLossesOnExtinguishmentOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe aggregate amount of write-downs for impairments recognized during the period for long-lived assets held for abandonment, exchange or sale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-15 + Details Name: us-gaap_ImpairmentOfLongLivedAssetsToBeDisposedOf 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 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 accrued expenses, and obligations 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_IncreaseDecreaseInAccruedLiabilitiesAndOtherOperatingLiabilities Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in prepaid expenses, and assets classified as other. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28 + Details Name: us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of cash paid for interest capitalized, classified as investing activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -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_InterestPaidCapitalized 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 - DefinitionAmount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation 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 - DefinitionThe cash inflow from a debt initially having maturity due after one year or beyond the operating cycle, if longer. + ReferencesReference 1: 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)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479886/946-10-S99-3Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfLongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash inflow from contractual arrangement with the lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromLinesOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit 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 consolidated profit or loss for the period, net of income taxes, including the portion attributable to the noncontrolling interest. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: 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-Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -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)(4)(iv)) -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 1A -Subparagraph (SX 210.13-01(a)(5)) -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 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -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)(A)) -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)(iii)(B)) -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)(4)(iv)) -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)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: 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 30: 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 31: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4J -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4JReference 32: http://www.xbrl.org/2003/role/exampleRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 4K -Publisher FASB -URI https://asc.fasb.org/1943274/2147481175/810-10-55-4KReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 34: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-2Reference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1AReference 37: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1A -Subparagraph (c)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-1A + Details Name: us-gaap_ProfitLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow for payment of an obligation from a lender, including but not limited to, letter of credit, standby letter of credit and revolving credit arrangements. + 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/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_RepaymentsOfLinesOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit 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 - DefinitionThe cash outflow for a borrowing supported by a written promise to pay an obligation. + 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/1943274/2147482740/230-10-45-15 + Details Name: us-gaap_RepaymentsOfNotesPayable Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionAmount of increase in right-of-use asset obtained in exchange for operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability 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 X - Details Name: us-gaap_ShortTermDebtTypeAxis=us-gaap_ConvertibleDebtMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 13 R7.htm IDEA: XBRL DOCUMENT v3.24.3 Pay vs Performance Disclosure - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Pay vs Performance Disclosure Â Â Â Â Â Â Â Â Â Net Income (Loss) $ (12,970) $ 16,818 $ (1,835) $ (13,073) $ (15,423) $ (16,796) $ 2,013 $ (45,292) X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 402 -Subsection v -Paragraph 1 + Details Name: ecd_PvpTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -

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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 XML 14 R8.htm IDEA: XBRL DOCUMENT v3.24.3 Insider Trading Arrangements 3 Months Ended Sep. 30, 2024 Trading Arrangements, by Individual Â  Material Terms of Trading Arrangement None of our directors or executive officers adopted, modified or terminated any contract, instruction or written plan for the purchase or sale of our securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any â€œnon-Rule 10b5-1 trading arrangementâ€ as such term is defined in Item 408(a) of Regulation S-K, during the fiscal quarter ended September 30, 2024. Rule 10b5-1 Arrangement Adopted false Non-Rule 10b5-1 Arrangement Adopted false Rule 10b5-1 Arrangement Terminated false Non-Rule 10b5-1 Arrangement Terminated false Rule 10b5-1 Arr Modified Flag false Non Rule10B51 Arr Modified Flag false X - DefinitionNon rule10B51 Arr modified flag. + ReferencesNo definition available. + Details Name: aspn_NonRule10B51ArrModifiedFlag Namespace Prefix: aspn_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - DefinitionRule 10b5-1 Arr Modified Flag + ReferencesNo definition available. + Details Name: aspn_Rule10B51ArrModifiedFlag Namespace Prefix: aspn_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_MtrlTermsOfTrdArrTextBlock Namespace Prefix: ecd_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_NonRule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrAdoptedFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 1 + Details Name: ecd_Rule10b51ArrTrmntdFlag Namespace Prefix: ecd_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration X - ReferencesReference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a -Paragraph 2 -Subparagraph A + Details Name: ecd_TradingArrByIndTable Namespace Prefix: ecd_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 15 R9.htm IDEA: XBRL DOCUMENT v3.24.3 Description of Business and Basis of Presentation 9 Months Ended Sep. 30, 2024 Organization, Consolidation and Presentation of Financial Statements [Abstract] Â  Description of Business and Basis of Presentation (1) Description of Business and Basis of PresentationNature of BusinessAspen Aerogels, Inc. (the Company) is an aerogel technology company that has introduced a line of aerogel thermal barriers for use in battery packs in the electric vehicle market. In addition, the Company designs, develops and manufactures innovative, high-performance aerogel insulation used in the energy industrial and sustainable insulation materials markets. The Company is also developing applications for its aerogel technology in the battery materials and a number of other high-potential markets. The Company maintains its corporate offices in Northborough, Massachusetts. The Company has three wholly owned subsidiaries: Aspen Aerogels Rhode Island, LLC (Aspen RI), Aspen Aerogels Germany, GmbH and Aspen Aerogels Georgia, LLC (Aspen Georgia). Additionally, we engaged Prodensa Servicios de Consultora to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico (OPE), which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. OPE is currently owned by Prodensa, which charges a management fee. There is an option for OPE to be purchased by the Company after a period of 18 months. During the period between inception and the exercise of the purchase option, OPE operations are consolidated within the Company financial statements.LiquidityDuring the nine months ended September 30, 2024, the Company earned net income of $2.0 million, provided $9.9 million of cash in operations and used $71.5 million of cash for capital expenditures. The Company had unrestricted cash and cash equivalents of $113.5 million as of September 30, 2024.In January 2024 and September 2024, the Company entered into sale and leaseback arrangements, pursuant to which the Company sold certain equipment to an equipment leasing company for one-time cash payments of $5.0 and $10.0 million, respectively, and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the lease term of three years.On August 19, 2024, the Company and Aspen RI (each, a Borrower and collectively, the Borrowers) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility) with MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as additional guarantors and/or borrowers from time to time, for a term loan facility in an aggregate principal amount of $125.0 million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $100.0 million or the borrowing base. At closing the Company drew $125.0 million from the term loan facility and $43.0 million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the 2022 Convertible Notes (as defined below) for $150.0 million and for general corporate purposes. The amount available to the Company at September 30, 2024 under the revolving loan facility was $25.7 million.The Company is increasing investment in the research and development of next-generation aerogel products and manufacturing process technologies. In addition, the Company has developed a number of promising aerogel products and technologies for the electric vehicle market. The Company believes that the commercial potential for the Companyâ€™s products and technology in the electric vehicle market is significant. Accordingly, the Company is hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity and automated thermal barrier fabrication operations, and enhancing research and development resources, among other items.The Company expects its existing cash balance and the amount anticipated to be available under the existing revolving loan facility will be sufficient to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunity in the electric vehicle market and other strategic business initiatives. However, the Company plans to supplement its cash balance and available credit with equity financings, debt financings, equipment leasing, sale and leaseback transactions, customer prepayments, or government grant and loan programs to provide the additional capital necessary to purchase the capital equipment, construct the new facilities, establish the operations and complete the aerogel capacity expansions required to support these evolving commercial opportunities and strategic business initiatives.Unaudited Interim Financial InformationThe accompanying unaudited interim consolidated financial statements include the accounts of the Company and have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this Quarterly Report on Form 10-Q should be read in conjunction with the audited consolidated financial statements and accompanying notes in our Annual Report on Form 10-K for the year ended December 31, 2023 (the Annual Report), filed with the U.S. Securities and Exchange Commission on March 7, 2024.In the opinion of the Companyâ€™s management, the unaudited interim consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements and include all adjustments that are of a normal recurring nature and necessary for the fair statement of the Companyâ€™s financial position as of September 30, 2024 and the results of its operations and stockholdersâ€™ equity for the three and nine months ended September 30, 2024 and 2023 and the cash flows for the nine-month periods then ended. The Company has evaluated subsequent events through the date of this filing.The Companyâ€™s results of operations for the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the year ending December 31, 2024 or any other period. 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 X - ReferencesNo definition available. + Details Name: us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 16 R10.htm IDEA: XBRL DOCUMENT v3.24.3 Significant Accounting Policies 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â  Significant Accounting Policies (2) Significant Accounting PoliciesPlease refer to "Note 2. Summary of Basis of Presentation and Significant Accounting Policies," to the Company's consolidated financial statements from the Annual Report for the discussion of the Company's significant accounting policies.Use of EstimatesThe preparation of the consolidated financial statements requires the Company to make a number of estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Significant items subject to such estimates and assumptions include allowances for doubtful accounts, sales returns and allowances, product warranty costs, inventory valuation, the carrying amount of property and equipment, right-of-use assets, lease liabilities, stock-based compensation, and deferred income taxes. The Company evaluates its estimates and assumptions on an on-going basis using historical experience and other factors, including current economic conditions, which are believed to be reasonable under the circumstances. Management adjusts such estimates and assumptions when facts and circumstances warrant. Illiquid credit markets, volatile equity markets and declines in business investment can increase the uncertainty inherent in such estimates and assumptions. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Changes in these estimates resulting from continuing changes in the economic environment will be reflected in the financial statements in future periods.Restricted CashAs of September 30, 2024, the Company had $0.4 million of restricted cash to support its outstanding letters of credit.Concentration of Credit RiskFinancial instruments, which potentially expose the Company to concentrations of credit risk, consist principally of accounts receivable. The Companyâ€™s customers are primarily insulation distributors, insulation contractors, insulation fabricators and select energy and automotive end-users located throughout the world. The Company performs ongoing credit evaluations of its customersâ€™ financial condition and generally requires no collateral to secure accounts receivable. The Company maintains an allowance for doubtful accounts based on its assessment of the collectability of accounts receivable. The

Company reviews the allowance for doubtful accounts quarterly. During the nine months ended September 30, 2024, the Company recorded an increase for estimated customer uncollectible accounts receivable of $0.1 million. During the nine months ended September 30, 2023, the Company recorded a reduction for estimated customer uncollectible accounts receivable of less than $0.1 million.For the nine months ended September 30, 2024 and 2023, two customers represented 74% and 50% of total revenue, respectively.At September 30, 2024, the Company had one customer which accounted for 79% of accounts receivable. At December 31, 2023, the Company had two customers which accounted for 60% and 6% of accounts receivable, respectively. Revenue RecognitionThe Company recognizes revenue in accordance with Accounting Standards Codification 606, Revenue from Contracts with Customers (ASC 606). See note 3 for further details. Sale and Leaseback AccountingThe Company has entered into sale and leaseback transactions for certain equipment within its plants. Due to the Company not meeting criteria to account for the transfer of the assets as a sale, sale accounting is precluded. Accordingly, the Company uses the financing method to account for these transactions.Under the financing method of accounting for a sale and leaseback, the Company does not derecognize the assets and does not recognize as revenue any of the sale proceeds received from the lessor that contractually constitutes payment to acquire the assets subject to these arrangements. Instead, the sale proceeds received are accounted for as finance obligations and leaseback payments made by the Company are allocated between interest expense and a reduction to the finance obligation. Interest on the finance obligation is calculated using the Companyâ€™s incremental borrowing rate at the inception of the arrangement on the outstanding finance obligation.Recently Issued Accounting StandardsFrom time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies. Recently issued standards typically do not require adoption until a future effective date. Prior to their effective date, the Company evaluates the pronouncements to determine the potential effects of adoption to its consolidated financial statements.Standards Implemented Since December 31, 2023The Company has not implemented any accounting standards that had a material impact on its consolidated financial statements during the nine months ended September 30, 2024.Standards to be ImplementedIn November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Companyâ€™s fiscal year 2024 and interim periods in fiscal year 2025. Early adoption is permitted. The Company is currently evaluating segment expense disclosures related to its annual report for fiscal year 2024.In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Companyâ€™s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025. Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.The Company believes that the impact of recently issued accounting standards that are not yet effective will not have a material impact on its consolidated financial statements. 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 17 R11.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue from Contracts with Customers 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â  Revenue from Contracts with Customers (3) Revenue from Contracts with CustomersRevenue RecognitionRevenue is recognized when a customer obtains control of promised goods or services in an amount that reflects the consideration which the entity expects to receive in exchange for those goods or services. To determine revenue recognition for arrangements within the scope of ASC 606, the Company performs the following five steps: (i) identification of the contract with a customer; (ii) identification of the performance obligations in the contract; (iii) determination of the transaction price; (iv) allocation of the transaction price to the separate performance obligations in the contract; and (v) recognition of the revenue associated with performance obligations as they are satisfied. The Company applies the five-step model to contracts when it is probable that the Company will collect the consideration it is entitled to in exchange for the goods or services it transfers to the customer. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within each contract and determines those that are performance obligations and assesses whether each promised good or service is distinct. If the contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations require an allocation of the transaction price based on the estimated relative standalone-selling prices of the promised products or services underlying each performance obligation. The Company determines standalone-selling prices based on the price at which the performance obligation is sold separately. If the standalone-selling price is not observable through past transactions, the Company estimates the standalone-selling price considering available information such as market conditions and internally approved pricing guidelines related to the performance obligations. The Company then recognizes as revenue the amount of the transaction price that is allocated to the respective performance obligation when (or as) the performance obligation is satisfied.When determining the transaction price of a contract, an adjustment is made if payment from a customer occurs either significantly before or significantly after performance, resulting in a significant financing component. Applying the practical expedient in paragraph ASC 606-10-32-18, the Company does not assess whether a significant financing component exists if the period between when the Company performs its obligations under the contract and when the customer pays is one year or less. The Company did not have any contracts outstanding at December 31, 2023 and did not enter into any contracts during the nine months ended September 30, 2024 that contained a significant financing component.The Company records deferred revenue for product sales when (i) the Company has delivered products, but other revenue recognition criteria have not been satisfied, or (ii) payments have been received in advance of the completion of required performance obligations.Thermal Barriers The Company supplies fabricated, multi-part thermal barriers for use in battery packs in the electric vehicle market. These thermal barriers are customized to meet customer specifications. Although thermal barrier products are customized with no alternative use to the Company, the Company does not always have an enforceable right to payment. Under the provisions of ASC 606, the Company recognizes revenue at a point in time when transfer of the control of the products is passed to the customer according to the terms of the contract, including under bill and hold arrangements. The timing of revenue recognition is assessed on a contract-by-contract basis.Energy IndustrialThe Company generally enters into contracts containing one type of performance obligation. For a majority of the contracts, the Company recognizes revenue at a point in time when transfer of control of the products is passed to the customer, which is generally upon delivery according to contractual shipping terms within customer purchase orders. For a limited number of customer arrangements for customized products with no alternative use to the Company and an enforceable right to payment for progress completed to date, the Company recognizes revenue over time using units of production to measure progress toward satisfying the performance obligations. Units of production represent work performed as we do not generate significant work in process and thereby best depicts the transfer of control to the customer. Customer invoicing terms for contracts for which revenue is recognized under the over time methodology are typically based on certain milestones within the production and delivery schedule. The timing of revenue recognition is assessed on a contract-by-contract basis.The Company also enters into rebate agreements with certain customers. These agreements may be considered an additional performance obligation of the Company or variable consideration within a contract. Rebates are recorded as a reduction of revenue in the period the related revenue is recognized. A corresponding liability is recorded as a component of deferred revenue on the consolidated balance sheets. These arrangements are primarily based on the customer attaining contractually specified sales volumes.The Company estimates the amount of its sales that may be returned by its customers and records this estimate as a reduction of revenue in the period the related revenue is recognized. The Company currently estimates return liabilities using historical rates of return, current quarter credit sales, and specific items of exposure on a contract-by-contract basis. Sales return reserves were approximately $0.7 million and $0.2 million as of September 30, 2024 and December 31, 2023, respectively.Shipping and Handling CostsShipping and handling costs associated with outbound freight after control over a product has transferred to a customer are accounted for as fulfillment costs and are included in the cost of product revenue. The associated amount of revenue recognized includes the consideration to which the Company expects to be entitled to receive in exchange for incurring these shipping and handling costs.Disaggregation of RevenueIn the following tables, revenue is disaggregated by primary geographical region and source of revenue: Â Â Three Months Ended September 30, Â Â Â 2024 Â Â 2023 Â Â Â U.S. Â Â International Â Â Total Â Â U.S. Â Â International Â Â Total Â Â Â (In thousands) Â Geographical region Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Asia Â $ â€” Â Â $ 4,439 Â Â $ 4,439 Â Â $ â€” Â Â $ 5,801 Â Â $ 5,801 Â Canada Â Â â€” Â Â Â 6,125 Â Â Â 6,125 Â Â Â â€” Â Â Â 633 Â Â Â 633 Â Europe Â Â â€” Â Â Â 8,455 Â Â Â 8,455 Â Â Â â€” Â Â Â 11,361 Â Â Â 11,361 Â Latin America Â Â â€” Â Â Â 25,012 Â Â Â 25,012 Â Â Â â€” Â Â Â 1,176 Â Â Â 1,176 Â U.S. Â Â 73,309 Â Â Â â€” Â Â Â 73,309 Â Â Â 41,784 Â Â Â â€” Â Â Â 41,784 Â Total revenue Â $ 73,309 Â Â $ 44,031 Â Â $ 117,340 Â Â $ 41,784 Â Â $ 18,971 Â Â $ 60,755 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Source of revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Energy industrial Â $ 13,679 Â Â $ 13,097 Â Â $ 26,776 Â Â $ 12,249 Â Â $ 15,663 Â Â $ 27,912 Â Thermal barrier Â Â 59,630 Â Â Â 30,934 Â Â Â 90,564 Â Â Â 29,535 Â Â Â 3,308 Â Â Â 32,843 Â Total revenue Â $ 73,309 Â Â $ 44,031 Â Â $ 117,340 Â Â $ 41,784 Â Â $ 18,971 Â Â $ 60,755 Â Â Â Â Nine Months Ended September 30, Â Â Â 2024 Â Â 2023 Â Â Â U.S. Â Â International Â Â Total Â Â U.S. Â Â International Â Â Total Â Â Â (In thousands) Â Geographical region Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Asia Â $ â€” Â Â $ 18,071 Â Â $ 18,071 Â Â $ â€” Â Â $ 27,522 Â Â $ 27,522 Â Canada Â Â â€” Â Â Â 11,599 Â Â Â 11,599 Â Â Â â€” Â Â Â 1,519 Â Â Â 1,519 Â Europe Â Â â€” Â Â Â 26,926 Â Â Â 26,926 Â Â Â â€” Â Â Â 26,735 Â Â Â 26,735 Â Latin America Â Â â€” Â Â Â 74,614 Â Â Â 74,614 Â Â Â â€” Â Â Â 5,065 Â Â Â 5,065 Â U.S. Â Â 198,401 Â Â Â â€” Â Â Â 198,401 Â Â Â 93,658 Â Â Â â€” Â Â Â 93,658 Â Total revenue Â $ 198,401 Â Â $ 131,210 Â Â $ 329,611 Â Â $ 93,658 Â Â $ 60,841 Â Â $ 154,499 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Source of revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Energy industrial Â $ 41,853 Â Â $ 50,928 Â Â $ 92,781 Â Â $ 43,994 Â Â $ 53,317 Â Â $ 97,311 Â Thermal barrier Â Â 156,548 Â Â Â 80,282 Â Â Â 236,830 Â Â Â 49,664 Â Â Â 7,524 Â Â Â 57,188 Â Total revenue Â $ 198,401 Â Â $ 131,210 Â Â $ 329,611 Â Â $ 93,658 Â Â $ 60,841 Â Â $ 154,499 Â Â Contract BalancesThe following table presents changes in the Companyâ€™s contract liabilities during the nine months ended September 30, 2024:Â Â Â Â Balance atDecember 31,2023 Â Â Additions Â Â Deductions Â Â Balance at September 30, 2024 Â Â Â (In thousands) Â Contract liabilities Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Deferred revenue Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Energy industrial Â $ 2,316 Â Â $ 5,686 Â Â $ (5,597 ) Â $ 2,405 Â Total contract liabilities Â $ 2,316 Â Â $ 5,686 Â Â $ (5,597 ) Â $ 2,405 Â During the nine months ended September 30, 2024, the Company recognized $2.3 million of revenue that was included in deferred revenue as of December 31, 2023.A contract asset is recorded when the Company satisfies a performance obligation by transferring a promised good or service and has earned the right to consideration from its customer. These assets may represent a conditional right to consideration and are included within accounts receivable and other current assets on the consolidated balance sheets. A contract liability is recorded when consideration is received, or such consideration is unconditionally due, from a customer prior to transferring goods or services under the terms of the contract. Contract liabilities are recognized as revenue after control of the products or services is transferred to the customer and all revenue recognition criteria have been met. 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 18 R12.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â  Inventories (4) InventoriesInventories consist of the following: Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Raw materials Â $ 16,054 Â Â $ 24,735 Â Work in process Â Â 12,226 Â Â Â 7,936 Â Finished goods Â Â 19,150 Â Â Â 6,518 Â Total Â $ 47,430 Â Â $ 39,189 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 19 R13.htm IDEA: XBRL DOCUMENT v3.24.3 Property, Plant and Equipment, Net 9 Months Ended Sep. 30, 2024 Property, Plant and Equipment [Abstract] Â  Property, Plant and Equipment, Net (5) Property, Plant and Equipment, NetProperty, plant and equipment consist of the following:Â Â Â September 30, Â Â December 31, Â Â Useful Â Â Â 2024 Â Â 2023 Â Â life Â Â Â (In thousands) Â Â Â Â Construction in progress Â $ 344,063 Â Â $ 314,695 Â Â Â â€” Â Buildings Â Â 26,914 Â Â Â 25,473 Â Â 30Â years Â Machinery and equipment Â Â 197,657 Â Â Â 185,339 Â Â 3-10Â years Â Computer equipment and software Â Â 9,703 Â Â Â 9,495 Â Â 3Â years Â Leasehold improvements Â Â 24,570 Â Â Â 23,514 Â Â Shorter of useful life or lease term Â Total Â Â 602,907 Â Â Â 558,516 Â Â Â Â Accumulated depreciation Â Â (151,338 ) Â Â (141,289 ) Â Â Â Property, plant and equipment, net Â $ 451,569 Â Â $ 417,227 Â Â Â Â Depreciation expense was $17.1 million and $10.8 million for the nine months ended September 30, 2024 and 2023, respectively.The Company recorded impairment charges of approximately $6.8 million during the nine months ended September 30, 2024, respectively, for equipment that will no longer be needed in manufacturing following customer directed engineering changes to a part it manufactures and for other property, plant and equipment that have become obsolete following development of new and more efficient equipment. Refer to Note 9 â€” Commitments and Contingencies for a discussion of the claim that the Company has submitted with a customer for reimbursement of losses incurred in connection with the customer directed engineering changes. The impairment charges of $6.8 million during the nine months ended September 30, 2024 consist of $4.1 million impairment included in cost of revenue and $2.7 million included in impairment of equipment under development on the Company's consolidated statement of operations. There were no impairments of property, plant and equipment during the nine months ended September 30, 2023.The construction in progress balance at September 30, 2024 and December 31, 2023 included engineering designs and construction costs, and capitalized interest totaling $325.1 million and $288.5 million, respectively, for a planned aerogel manufacturing facility in Bulloch County, Georgia. The Company incurred $8.8 million in capitalized interest for the construction in progress in Bulloch County, Georgia. The Company capitalized interest of $0.0 million and $8.8 million

for the nine months ended September 30, 2024 and 2023, respectively. X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/360/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 6 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 7 -SubTopic 360 -Topic 958 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477798/958-360-50-7 + Details Name: us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 20 R14.htm IDEA: XBRL DOCUMENT v3.24.3 Accrued Expenses 9 Months Ended Sep. 30, 2024 Payables and Accruals [Abstract] Â  Accrued Expenses (6) Accrued ExpensesAccrued expenses consist of the following: Â  Â  September 30, Â  Â  December 31, Â  Â  Â  2024 Â  Â  2023 Â  Â  Â  (In thousands) Â  Employee compensation Â  $ 15,003 Â  Â  $ 16,876 Â  Other accrued expenses Â  Â  11,528 Â  Â  Â  5,935 Â  Total Â  $ 26,531 Â  Â  $ 22,811 Â  X - DefinitionThe entire disclosure for accounts payable and accrued liabilities at the end of the reporting period. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 720 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483384/720-30-45-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_AccountsPayableAndAccruedLiabilitiesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_PayablesAndAccrualsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 21 R15.htm IDEA: XBRL DOCUMENT v3.24.3 Related Party Transactions 9 Months Ended Sep. 30, 2024 Related Party Transactions [Abstract] Â  Related Party Transactions (7) Related Party TransactionsConvertible NoteDuring the year ended December 31, 2022, the Company issued a $100.0 million aggregate principal amount convertible note (the 2022 Convertible Note) to Wood River Capital, LLC (Wood River), an entity affiliated with Koch Disruptive Technologies, LLC (Koch), for the planned manufacturing facility in Bulloch County, Georgia, pursuant to that certain Note Purchase Agreement, dated as of February 15, 2022, as amended by that certain Amendment No. 1 to Note Purchase Agreement, dated November 28, 2022 (together, the Note Purchase Agreement). The Company repurchased the 2022 Convertible Note on August 19, 2024. See Note (8) Convertible Note â€“ Related Party for additional detail.During the nine months ended September 30, 2024, the Company incurred $7.1 million of interest from the 2022 Convertible Note.OtherThe Company had $2.8 million in accounts payable as of December 31, 2023, due to an entity affiliated with Koch for project management service. On March 27, 2024, we entered into a Settlement and Release Agreement with the affiliate of Koch to settle the accounts payable for $1.2 million, which was paid during the three months ended, June 30, 2024. X - ReferencesNo definition available. + Details Name: us-gaap_RelatedPartyTransactionsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-5Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480990/946-20-50-6Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(e)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/850/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-6Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 850 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483326/850-10-50-1 + Details Name: us-gaap_RelatedPartyTransactionsDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 22 R16.htm IDEA: XBRL DOCUMENT v3.24.3 Convertible Note - Related Party 9 Months Ended Sep. 30, 2024 Convertible Notes [Abstract] Â  Convertible Note - Related Party (8) Convertible Note â€“ Related Party2022 Convertible NoteOn February 15, 2022, the Company entered into the Note Purchase Agreement with Wood River, an entity affiliated with Koch, relating to the issuance and sale to Wood River of the 2022 Convertible Note in the aggregate principal amount of $100.0 million. The transactions contemplated by the Note Purchase Agreement closed on February 18, 2022. The maturity date of the 2022 Convertible Note is February 18, 2027, subject to earlier conversion, redemption, or repurchase. The 2022 Convertible Note is a senior unsecured obligation of the Company and ranks equal in right of payment to all senior unsecured indebtedness of the Company and will rank senior in right of payment to any indebtedness that is contractually subordinated to the 2022 Convertible Note.On August 19, 2024, the Company entered into a note purchase and sale agreement with Wood River (the Note Repurchase Agreement), pursuant to which the Company repurchased from Wood River $123.9 million in aggregate capitalized principal amount (inclusive of PIK interest paid through June 30, 2024) of the 2022 Convertible Note, such aggregate amount being the entire outstanding amount of the 2022 Convertible Note, for a total purchase price of $150.1 million in cash, which amount equals to the Redemption Price (as defined in the 2022 Convertible Note). Pursuant to the Note Repurchase Agreement, all rights and obligations, covenants and agreements under the 2022 Convertible Note and the Note Purchase Agreement were satisfied and discharged. The Redemption Price less capitalized principal amount and accrued interest to redemption date, of $24.6 million along with unamortized deferred issuance costs was classified in the income statement as Loss on Extinguishment of Debt. In accordance with ASU 2020-06, the 2022 Convertible Note is accounted for as a single unit of account and consists of the following: Â  Â  September 30, Â  Â  December 31, Â  Â  Â  2024 Â  Â  2023 Â  Â  Â  (In thousands) Â  Convertible note, principal Â  $ â€” Â  Â  $ 100,000 Â  Payment in-kind Â  Â  â€” Â  Â  Â  18,318 Â  Discount on convertible note, net of accumulated amortization Â  Â  â€” Â  Â  Â  (3,209 ) Debt issuance costs, net of accumulated amortization Â  Â  â€” Â  Â  Â  (117 ) Convertible note Â  $ â€” Â  Â  $ 114,992 Â  The 2022 Convertible Note does not have current observable inputs such as recent trading prices (Level 1) and was measured at fair value using a combination of option pricing and discounted cash flow models and incorporate managementâ€™s assumptions for stock price, volatility and risk rate. In general, fair values determined by Level 1 inputs utilize observable inputs such as quoted prices in active markets for identical assets or liabilities. Fair values determined by Level 2 inputs utilize data points that are either directly or indirectly observable, such as quoted prices for similar instruments in active markets, interest rates and yield curves. Fair values determined by Level 3 inputs utilize unobservable data points in which there is little or no market data, which require the Company to develop its own assumptions for the asset or liability. The Company estimated the fair value of the 2022 Convertible Note was approximately $118.2 million as of December 31, 2023. However, as the Company did not elect to utilize the fair value option, it was carried at amortized cost of $115.0 million. X - DefinitionConvertible notes. + ReferencesNo definition available. + Details Name: aspn_ConvertibleNotesAbstract Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionConvertible notes related party. + ReferencesNo definition available. + Details Name: aspn_ConvertibleNotesRelatedPartyTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 23 R17.htm IDEA: XBRL DOCUMENT v3.24.3 Debt 9 Months Ended Sep. 30, 2024 Debt Disclosure [Abstract] Â  Debt (9) DebtOn August 19, 2024, the Borrowers entered into the Credit Agreement, by and among the Borrowers, the Agent, the Lenders and the other parties party thereto as additional guarantors and/or borrowers from time to time. Loans borrowed under the MidCap Loan Facility mature on August 19, 2029.The MidCap Loan Facility is comprised of (i) a term loan facility in an aggregate principal amount of $125 million (the Term Loan Facility) and (ii) an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of (A) a $100 million commitment amount and (B) the value of the borrowing base (defined as the sum of (x) 85% of certain eligible accounts of the Borrowers and (y) the lesser of 85% of the NOLV or 85% of the cost of certain eligible inventory of the Borrowers) (the â€œRevolving Facilityâ€). Loans borrowed under the Term Loan Facility will bear interest rate equal to Term SOFR (as defined in the Credit Agreement) for a one-month interest period plus 4.50% per year, subject to a Term SOFR floor of 4.50% and a Term SOFR cap of 7.50%. Loans borrowed under the Revolving Facility will bear an interest rate equal to Term SOFR plus 4.60% per year, subject to a Term SOFR floor of 2.50%. The Term Loan Facility is subject to amortization of principal, payable quarterly on the last day of each quarter, commencing September 30, 2024, in an amount as set forth in the Credit Agreement with the remaining aggregate principal amount payable on the maturity date. The Borrowers are required to pay the Lenders an exit fee of $2.5 million on the maturity date. The Revolving Facility has a required minimum balance set at 30% of the average borrowing base during the immediate preceding month. The Borrowers are required to pay the Lenders under the Revolving Facility an unused line fee of 0.30% of the average unused availability under the Revolving Facility, subject to the aforementioned minimum balance.The MidCap Loan Facility is guaranteed by the Loan Parties and is secured by a lien on substantially all existing and after-acquired assets of the Loan Parties, including the equity interest in Aspen RI and Aspen Georgia, owned by the Company, in each case, subject to customary exceptions. Aspen Georgia is not a guarantor and its assets are excluded from the collateral under the Credit Agreement, subject to its entrance into a loan facility within one year from the closing date of the MidCap Loan Facility. Once Aspen Georgia enters into the loan facility within such one-year period, the lien granted by the Company on the equity interest of Aspen Georgia will be released. If Aspen Georgia does not enter into the loan facility within such one-year period, Aspen Georgia will be obligated to become a Loan Party under the MidCap Loan Facility and pledge substantially all of its assets as security for the obligations thereunder. The Credit Agreement includes representations and warranties, affirmative covenants (including reporting obligations), negative covenants and events of default that are usual and customary for facilities of this type, in each case, subject to certain permitted exceptions as set forth therein. The Credit Agreement includes financial covenants for the benefit of the Lenders, including (i) a covenant to maintain Liquidity (as defined therein) equal to or greater than $75 million at all times and (ii) a covenant to maintain EBITDA (as defined therein) equal to or greater than the specified applicable amount set forth in the Credit Agreement, tested quarterly with the first test set at $45 million commencing with the fiscal quarter ended September 30, 2024.The Borrowers will have the right to prepay the loans outstanding under the MidCap Loan Facility (or, with respect to the Revolving Facility, terminate the commitments thereunder), subject to a premium equal to 3.0% of the amount prepaid or terminated, as applicable, during the first year after the closing date, which premium will be decreased to 2.0% during the second year after the closing date and to 1.0% thereafter. The Borrowers will be required to mandatorily prepay the loans outstanding under the Term Loan Facility with, among other things, certain casualty insurance proceeds or proceeds from non-ordinary course assets sales (which will also be subject to the aforementioned premium). The Borrowers will be required to mandatorily prepay the balance outstanding under the Revolving Facility (i) if the outstandings exceed the borrowing base in an aggregate amount equal to that excess or (ii) upon a cash dominion event of all the funds deposited in the lockbox account during the cash dominion period. A cash dominion event is triggered upon an event of default or if the Liquidity is less than $100 million.MidCap debt consists of the following:Â  Â  Â  September 30, Â  Â  Â  2024 Â  Â  Â  (In thousands) Â  Term loan Â  Â  125,000 Â  Exit fee Â  Â  85 Â  Term loan issuance costs Â  Â  (5,161 ) Total debt Â  Â  119,924 Â  Current portion Â  Â  26,250 Â  Long term portion Â  Â  93,674 Â  Â  The revolving line of credit had an outstanding balance of $42.7 million as of September 30, 2024, net of unamortized issuance costs. 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 information about short-term and long-term debt arrangements, which includes amounts of borrowings under each line of credit, note payable, commercial paper issue, bonds indenture, debenture issue, own-share lending arrangements and any other contractual agreement to repay funds, and about the underlying arrangements, rationale for a classification as long-term, including repayment terms, interest rates, collateral provided, restrictions on use of assets and activities, whether or not in compliance with debt covenants, and other matters important to users of the financial statements, such as the effects of refinancing and noncompliance with debt covenants. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 405 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477092/405-40-50-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 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(c)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50

-Paragraph 1C -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1C -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1CReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1I + Details Name: us-gaap_DebtDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 24 R18.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â  Commitments and Contingencies (10) Commitments and ContingenciesCloud Computing AgreementThe Company is party to multiple cloud computing agreements that are service contracts for enterprise resource planning software and payroll services. The amortization period of a cloud computing agreement was adjusted during the three months ended March 31, 2024 to align with implementation of a new agreement that will begin to amortize during 2025. The amortization associated with the payroll services agreement began during the three months ended September 30, 2024 and will amortize over a period of five years. The capitalized implementation costs are classified on the consolidated balance sheets as follows: Â Â Â  September 30, Â Â  December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Cloud computing costs included in other current assets Â  $ 780 Â Â  $ 420 Â Cloud computing costs included in other assets Â Â  2,691 Â Â Â  1,590 Â Amortization of cloud computing costs Â Â  (578 ) Â Â  (662 ) Total capitalized cloud computing costs Â  $ 2,893 Â Â Â  $ 1,348 Â  Thermal Barrier ContractsThe Company is party to production contracts with General Motors to supply fabricated, multi-part thermal barriers (Barriers) for use in the battery system of its next-generation electric vehicles (Contracts). Pursuant to the Contracts, the Company is obligated to supply Barriers at fixed annual prices and at volumes to be specified by General Motors up to a daily maximum quantity through the respective terms of the agreements, which expire at various times from 2026 through 2034. While General Motors has agreed to purchase its requirement for Barriers from the Company for locations to be designated from time to time by General Motors, it has no obligation to purchase any minimum quantity of Barriers under the Contracts. In addition, General Motors may terminate the Contracts at any time and for any or no reason. All other terms of the Contracts are generally consistent with General Motors' standard purchase terms, including quality and warranty provisions customary in automotive industry.Charges for Engineering ChangeIn January 2024, the Company was notified by a customer of an engineering change to one of the parts the Company manufactures for that customer to enable incremental productivity and support a set of broader system level changes that could drive higher demand for its parts. The Company has submitted claims to the customer for reimbursement for estimated inventory and equipment losses incurred by the Company and its vendors due to potential obsolescence. In connection with the same, during the three months ended March 31, 2024, the Company recognized a charge of $6.8 million, net of contractual recoverable of $1.9 million, in cost of revenues for inventory obsolescence and impairment of equipment. During the three months ended June 30, 2024, the customer approved reimbursement of parts of the claim totaling $4.2 million for equipment losses incurred by the Company and its vendors, which is recognized as an offset to the charge the Company recognized in the three months ended, March 31, 2024 in cost of revenues. During the three months ended September 30, 2024, the customer approved the remaining claims related to inventory obsolescence of $2.2 million, in addition to the contractual recoverable amount, which is recognized as an offset to the charge recognized in the three months ended, March 31, 2024 in cost of revenues.Â Federal, State and Local Environmental RegulationsThe Company is subject to federal, state and local environmental laws and regulations. These laws generally provide for control of pollutants released into the environment and require responsible parties to undertake remediation. Penalties may be imposed for noncompliance.LitigationThe Company is, from time to time, a party to litigation that arises in the normal course of its business operations. See Part II, Item 1 â€œLegal Proceedingsâ€ of this Quarterly Report on Form 10-Q for a description of certain of the Companyâ€™s current legal proceedings. The Company is not presently a party to any litigation for which it believes a loss is probable requiring an amount to be accrued or a possible loss contingency requiring disclosure.Purchase CommitmentsAs of September 30, 2024, the Company had purchase commitments of approximately $240.0 million, which included capital commitments of $175.3 million. Purchase commitments related to capital expenditures are anticipated to be spent over the next three years, while the Company's remaining purchase commitments are anticipated to be spent throughout 2024. Purchase obligations relate primarily to open purchase orders for capital expenditures, inventories, and goods and services. Purchase obligations are entered into with various vendors in the normal course of business and are consistent with the Company's expected requirements.WarrantyThe Company offers warranties to its customers depending upon the specific product.The Companyâ€™s standard warranty period for energy industrial products extends to one year from the date of shipment. This standard warranty provides that the Companyâ€™s products will be free from defects in material and workmanship, and will, under normal use, conform to the specifications for the product.The Companyâ€™s thermal barrier products provide quality and warranty provisions customary in the automotive industry.The Company recorded warranty reserves related to its thermal barrier products of $1.1 million during the nine months ended September 30, 2024 and $0.2 million during the nine months ended September 30, 2023. X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for commitments and contingencies. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 405 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/405-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 450 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/450/tableOfContentReference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 954 -SubTopic 440 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478522/954-440-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 440 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482648/440-10-50-4Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 440 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/440/tableOfContent + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 25 R19.htm IDEA: XBRL DOCUMENT v3.24.3 Leases and sale and leaseback 9 Months Ended Sep. 30, 2024 Leases [Abstract] Â  Leases and sale and leaseback (11) Leases and sale and leasebackThe Company leases office, laboratory, warehouse and fabrication space in Massachusetts, Rhode Island and Monterrey, Mexico under operating leases. Under these agreements, the Company is obligated to pay annual rent, real estate taxes, and certain other operating expenses. The Company also leases equipment under operating leases. The Companyâ€™s operating leases expire at various dates through 2034.The Company determines if an arrangement is a lease at inception. Right-of-use (ROU) assets represent the Companyâ€™s right to use an underlying asset for the lease term and lease liabilities represent the Companyâ€™s payment obligations under the lease. Operating lease ROU assets and liabilities are recognized based on the present value of lease payments over the lease term. To measure its lease liabilities, the Company uses its incremental borrowing rate or the rate implicit in the lease, if available. The Company calculates its incremental borrowing rate using a synthetic credit rating analysis based on Moodyâ€™s Building Materials Industry Rating Methodology. ROU assets also include any direct costs and prepaid lease payments but exclude any lease incentives received. The Companyâ€™s lease terms may include options to extend or terminate the lease when it is reasonably certain that the Company will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term. The Company elected the short-term lease recognition exemption for all leases that qualify. For leases that qualify for this exemption, the Company does not recognize ROU assets or lease liabilities. For lease agreements with lease and non-lease components, the Company accounts for each component separately. However, in the case of equipment leases, the Company accounts for lease and non-lease components as a single component. Maturities of operating lease liabilities as of September 30, 2024 are as follows:Â  Year Â  OperatingLeases Â Â Â  (In thousands) Â  2024 (excluding the nine months ended September 30, 2024) Â  $ 1,523 Â  2025 Â Â  6,110 Â  2026 Â Â  5,598 Â  2027 Â Â  4,695 Â  2028 Â Â  4,599 Â  Thereafter Â Â  19,338 Â  Total lease payments Â Â  41,863 Â  Less imputed interest Â Â  (14,940 ) Total lease liabilities Â  $ 26,923 Â Â Â The Company incurred operating lease costs of $4.3 million and $4.2 million during the nine months ended September 30, 2024 and 2023, respectively. Cash payments related to operating lease liabilities were $4.0 million and $3.6 million during the nine months ended September 30, 2024 and 2023, respectively.As of September 30, 2024, the weighted average remaining lease term for operating leases was 7.8 years. As of September 30, 2024, the weighted average discount rate for operating leases was 12.0%.As of September 30, 2024, the Company had an additional operating equipment lease that will commence during 2024 with total lease payments of $0.3 million and a weighted average lease term of 5.0 years.As of September 30, 2024, the Company had no additional operating real estate leases that would commence during 2024.Sale and leaseback transactionIn January 2024, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $5.0 million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction. The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. The monthly lease rents will be paid over the term of three years and will be allocated between interest expense and principal repayment of the financial liability. In September 2024, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $10.0 million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction. The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. The monthly lease rents will be paid over the term of three years and will be allocated between interest expense and principal repayment of the financial liability. The outstanding finance obligation balance as of September 30, 2024 was $14.1 million X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/842-20/tableOfContent + Details Name: us-gaap_LesseeOperatingLeasesTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 26 R20.htm IDEA: XBRL DOCUMENT v3.24.3 Stock Based Compensation 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â  Stock based compensation (12) Stock based compensationDuring the nine months ended September 30, 2024, the Company granted 242,279 restricted common stock units (RSUs) with an aggregate grant date fair value of $4.0 million and non-qualified stock options (NSOs) to purchase 569,301 shares of common stock with an aggregate grant date fair value of $6.4 million to employees under its equity incentive plans. The restricted common stock and NSOs granted to employees will typically vest over a three-year period. During the nine months ended September 30, 2024, the Company also granted 13,264 shares of restricted common stock with a grant date fair value of $0.4 million and NSOs to purchase 11,618 shares of common stock with a grant date fair value of $0.2 million to its non-employee directors under the 2023 Equity Plan. The RSUs and NSOs granted to non-employee directors will typically vest over a one-year period.Stock-based compensation is included in cost of revenue or operating expenses, as applicable, and consists of the following: Â Â  Three Months Ended Â Â  Nine Months Ended Â Â Â  September 30, Â Â  September 30, Â Â Â  2024 Â Â  2023 Â Â  2024 Â Â  2023 Â Â Â  (In thousands) Â Â  (In thousands) Â Cost of product revenue Â  $ 186 Â Â  $ 93 Â Â  $ 545 Â Â  $ 420 Â Research and development expenses Â Â  188 Â Â Â  255 Â Â Â  891 Â Â Â  510 Â Sales and marketing expenses Â Â  456 Â Â Â  378 Â Â Â  1,241 Â Â Â  1,110 Â General and administrative expenses Â Â  1,800 Â Â Â  2,063 Â Â Â  7,630 Â Â Â  5,726 Â Total stock-based compensation Â  $ 2,630 Â Â  $ 2,789 Â Â  $ 10,307 Â Â  $ 7,766 Â Â The 2023 Equity Plan was approved by stockholders at the Companyâ€™s annual meeting of stockholders on June 1, 2023 as the successor to the Companyâ€™s 2014 Employee, Director and Consultant Equity Incentive Plan (the 2014 Equity Plan), and no further awards may be made under the 2014 Equity Plan after that date. As of September 30, 2024, 5,012,394 shares of common stock were reserved for issuance upon the exercise or vesting of outstanding stock-based awards granted under the Companyâ€™s equity incentive plans. Any cancellations or forfeitures of awards outstanding under the 2023 Equity Plan, the 2014 Equity Plan or the 2001 Equity Incentive Plan, as amended (the 2001 Equity Plan) will result in the shares reserved for issuance pursuant to such awards becoming available for grant under the 2023 Equity Plan. As of September 30, 2024, the Company has either reserved in connection with statutory tax withholdings or issued a total of 6,609,298 shares under the Companyâ€™s equity incentive plans. As of September 30, 2024, there were 2,180,098 shares of common stock available for future grant under the 2023 Equity Plan.On March 5, 2024, the Compensation and Leadership Development Committee (the Committee) of the Board of Directors of the Company approved the cancellation of the outstanding, unearned portion of the performance-based restricted shares granted to certain employees pursuant to the 2014 Equity Plan on June 29, 2021 (to Donald R. Young) and June 2, 2022 (to certain other employees). The Committee determined that based on current market conditions, the likelihood of achievement of any of the remaining performance hurdles applicable to the unearned restricted shares is remote, and that the unearned restricted shares therefore had ceased to have incentive value for the grantees. On March 6, 2024, the Company entered into cancellation agreements, pursuant to which the applicable employees agreed to such cancellation. The cancelled unearned restricted shares were added to the number of shares available for awards under the Companyâ€™s 2023 Equity Incentive Plan. For financial accounting purposes, the cancellation of the unearned restricted shares resulted in the immediate charge of approximately $2.2 million of unamortized stock compensation costs of which $2.0 million is included in the general and administrative expenses and $0.2 million is included in research and development expenses in the accompanying consolidated statement of operations. 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 27 R21.htm IDEA: XBRL DOCUMENT v3.24.3 Net Income (Loss) Per Share 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Â  Net Income (Loss) Per Share (13) Net Income (Loss) Per ShareThe computation of basic and diluted net income (loss) per share consists of the following:Â Â Â  Three Months Ended Â Â  Nine Months Ended Â Â Â  September 30, Â Â  September 30, Â Â Â  2024 Â Â  2023 Â Â  2024 Â Â  2023 Â Â Â  (In thousands, exceptshare and per share data) Â  Numerator: Â Â Â Â Â Â Â Â Â Â Â Â Net income (loss) Â  $ (12,970 ) Â  $ (13,073 ) Â  $ 2,013 Â Â  $ (45,292 ) Denominator: Â Â Â Â Â Â Â Â Â Â Â Â Weighted average shares outstanding, basic Â Â  76,261,294 Â Â Â  69,317,805 Â Â Â  76,402,123 Â Â Â  69,243,843 Â Â Weighted average shares outstanding, diluted Â Â  76,261,294 Â Â Â  69,317,805 Â Â Â  79,149,193 Â Â Â  69,243,843 Â  Net income (loss) per share,

basic Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Net income (loss) per share, diluted Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Â Potentially dilutive common shares that were excluded from the computation of diluted net (loss) income per share because they were anti-dilutive consist of the following:Â Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Common stock options Â Â 4,453,006 Â Â Â 5,462,015 Â Â Â 110,900 Â Â Â 5,462,015 Â Restricted common stock units Â Â 559,389 Â Â Â 568,469 Â Â Â 1,957 Â Â Â 568,469 Â Restricted common stock awards Â Â 13,264 Â Â Â 889,366 Â Â Â 824 Â Â Â 889,366 Â Convertible note, if converted Â Â â€” Â Â Â 3,862,221 Â Â Â â€” Â Â Â 3,862,221 Â Total Â Â 5,025,659 Â Â Â 10,782,071 Â Â Â 113,681 Â Â Â 10,782,071 Â The potential dilutive shares from common stock options, restricted common stock units, restricted common stock awards, and the convertible note were excluded from the calculation of diluted net income (loss) per share because their effect would have been anti-dilutive for the periods presented. The Company excludes the shares issued in connection with restricted stock awards from the calculation of basic weighted average common shares outstanding until the restrictions lapse. 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 28 R22.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes 9 Months Ended Sep. 30, 2024 Income Tax Disclosure [Abstract] Â Income Taxes (14) Income TaxesThe Company incurred net operating loss and income for the three and nine months ended September 30, 2024, respectively. The Company incurred net operating losses and recorded a full valuation allowance against net deferred tax assets for all prior periods. Accordingly, the Company has not recorded a provision for federal or state income taxes for the three and nine months ended September 30, 2024. The Company has provided $0.3 million of income tax expense related to its Mexican maquiladora operations for the three months ended September 30, 2024. The Company has provided $1.9 million of income tax expense related to its Mexican maquiladora operations for the nine months ended September 30, 2024. 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 29 R23.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information 9 Months Ended Sep. 30, 2024 Segment Reporting [Abstract] Â Segment Information (15) Segment InformationOperating segments are identified as components of an enterprise about which separate, discrete financial information is available for evaluation by the chief operating decision maker in making decisions on how to allocate resources and assess performance. The Companyâ€™s chief operating decision maker is the Chief Executive Officer. The Companyâ€™s chief operating decision maker reviews consolidated operating results to make decisions about allocating resources and assessing performance for the entire Company. The Company reports two segments: Energy Industrial and Thermal Barrier. The Company evaluates segment performance based on the segment profit (loss) before corporate expenses.Summarized below are the Revenue and Segment Operating Profit for each reporting segment:Â Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Â Three Months Ended Â Â Three Months Ended Â Â Nine Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Â (In thousands) Â Energy industrial Â $ 26,776 Â Â $ 27,912 Â Â $ 10,733 Â Â $ 5,825 Â Â $ 92,781 Â Â $ 97,311 Â Â $ 37,750 Â Â $ 24,246 Â Thermal barrier Â Â 90,564 Â Â Â 32,843 Â Â Â 38,310 Â Â Â 7,985 Â Â Â 236,830 Â Â Â 57,188 Â Â Â 98,014 Â Â Â 3,057 Â Total Â $ 117,340 Â Â $ 60,755 Â Â $ 49,043 Â Â $ 13,810 Â Â $ 329,611 Â Â $ 154,499 Â Â $ 135,764 Â Â $ 27,303 Â Corporate expenses Â Â Â Â Â Â Â Â Â Â 31,643 Â Â Â 28,444 Â Â Â Â Â Â Â Â Â Â 95,942 Â Â Â 77,889 Â Operating profit (loss) Â Â Â Â Â Â Â Â 17,400 Â Â Â (14,634 ) Â Â Â Â Â Â Â Â 39,822 Â Â Â (50,586 ) Other (expense) income, net Â Â Â Â Â Â Â Â Â Â (30,103 ) Â Â 1,561 Â Â Â Â Â Â Â Â Â Â (35,920 ) Â Â 5,294 Â Income tax expense Â Â Â Â Â Â Â Â (267 ) Â Â - Â Â Â Â Â Â Â Â Â Â (1,889 ) Â Â - Â Net income (loss) Â Â Â Â Â Â Â Â $ (12,970 ) Â $ (13,073 ) Â Â Â Â Â Â Â Â $ 2,013 Â Â $ (45,292 ) Â Â Â Total Assets Â Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Energy industrial Â $ 97,575 Â Â $ 93,168 Â Thermal barrier Â Â 172,582 Â Â Â 118,565 Â Total assets of reportable segments Â Â 270,157 Â Â Â 211,733 Â Construction in progress Â Â 344,041 Â Â Â 314,678 Â All other corporate assets Â Â 168,389 Â Â Â 176,637 Â Â Â $ 782,587 Â Â $ 703,048 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 30 R24.htm IDEA: XBRL DOCUMENT v3.24.3 Subsequent Events 9 Months Ended Sep. 30, 2024 Subsequent Events [Abstract] Â Subsequent Events (16) Subsequent EventsThe Company has evaluated subsequent events through November 7, 2024, the date of issuance of the consolidated financial statements for the three and nine months ended September 30, 2024. In October 2024, the Company entered into an underwriting agreement (the Underwriting Agreement) with Goldman Sachs & Co. LLC and Morgan Stanley & Co. LLC (collectively, the Underwriters), pursuant to which the Company issued and sold an aggregate of 4,887,500 shares of the Companyâ€™s common stock, which included 637,500 shares pursuant to the Underwritersâ€™ option to purchase additional shares of common stock of the Company, to the Underwriters in a registered underwritten offering (the â€œOfferingâ€). The price to the public in the Offering was $20.00 per share. The net proceeds to the Company from the Offering were approximately $93.2 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by the Company. X - ReferencesNo definition available. + Details Name: us-gaap_SubsequentEventsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe entire disclosure for significant events or transactions that occurred after the balance sheet date through the date the financial statements were issued or the date the financial statements were available to be issued. Examples include: the sale of a capital stock issue, purchase of a business, settlement of litigation, catastrophic loss, significant foreign exchange rate changes, loans to insiders or affiliates, and transactions not in the ordinary course of business. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/855/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventsTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 31 R25.htm IDEA: XBRL DOCUMENT v3.24.3 Description of Business and Basis of Presentation (Policies) 9 Months Ended Sep. 30, 2024 Accounting Policies [Abstract] Â Nature of Business Nature of BusinessAspen Aerogels, Inc. (the Company) is an aerogel technology company that has introduced a line of aerogel thermal barriers for use in battery packs in the electric vehicle market. In addition, the Company designs, develops and manufactures innovative, high-performance aerogel insulation used in the energy industrial and sustainable insulation materials markets. The Company is also developing applications for its aerogel technology in the battery materials and a number of other high-potential markets. The Company maintains its corporate offices in Northborough, Massachusetts. The Company has three wholly owned subsidiaries: Aspen Aerogels Rhode Island, LLC (Aspen RI), Aspen Aerogels Germany, GmbH and Aspen Aerogels Georgia, LLC (Aspen Georgia). Additionally, we engaged Prodensa Servicios de Consultora to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico (OPE), which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. OPE is currently owned by Prodensa, which charges a management fee. There is an option for OPE to be purchased by the Company after a period of 18 months. During the period between inception and the exercise of the purchase option, OPE operations are consolidated within the Company financial statements. Liquidity LiquidityDuring the nine months ended September 30, 2024, the Company earned net income of $2.0 million, provided $9.9 million of cash in operations and used $71.5 million of cash for capital expenditures. The Company had unrestricted cash and cash equivalents of $113.5 million as of September 30, 2024.In January 2024 and September 2024, the Company entered into sale and leaseback arrangements, pursuant to which the Company sold certain equipment to an equipment leasing company for one-time cash payments of $5.0 and $10.0 million, respectively, and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the lease term of three years.On August 19, 2024, the Company and Aspen RI (each, a Borrower and collectively, the Borrowers) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility) with MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as

additional guarantors and/or borrowers from time to time, for a term loan facility in an aggregate principal amount of $125.0 million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $100.0 million or the borrowing base. At closing the Company drew $125.0 million from the term loan facility and $43.0 million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the 2022 Convertible Notes (as defined below) for $150.0 million and for general corporate purposes. The amount available to the Company at September 30, 2024 under the revolving loan facility was $25.7 million.The Company is increasing investment in the research and development of next-generation aerogel products and manufacturing process technologies. In addition, the Company has developed a number of promising aerogel products and technologies for the electric vehicle market. The Company believes that the commercial potential for the Companyâ€™s products and technology in the electric vehicle market is significant. Accordingly, the Company is hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity and automated thermal barrier fabrication operations, and enhancing research and development resources, among other items.The Company expects its existing cash balance and the amount anticipated to be available under the existing revolving loan facility will be sufficient to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunity in the electric vehicle market and other strategic business initiatives. However, the Company plans to supplement its cash balance and available credit with equity financings, debt financings, equipment leasing, sale and leaseback transactions, customer prepayments, or government grant and loan programs to provide the additional capital necessary to purchase the capital equipment, construct the new facilities, establish the operations and complete the aerogel capacity expansions required to support these evolving commercial opportunities and strategic business initiatives. Unaudited Interim Financial Information Unaudited Interim Financial InformationThe accompanying unaudited interim consolidated financial statements include the accounts of the Company and have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this Quarterly Report on Form 10-Q should be read in conjunction with the audited consolidated financial statements and accompanying notes in our Annual Report on Form 10-K for the year ended December 31, 2023 (the Annual Report), filed with the U.S. Securities and Exchange Commission on March 7, 2024.In the opinion of the Companyâ€™s management, the unaudited interim consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements and include all adjustments that are of a normal recurring nature and necessary for the fair statement of the Companyâ€™s financial position as of September 30, 2024 and the results of its operations and stockholdersâ€™ equity for the three and nine months ended September 30, 2024 and 2023 and the cash flows for the nine-month periods then ended. The Company has evaluated subsequent events through the date of this filing.The Companyâ€™s results of operations for the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the year ending December 31, 2024 or any other period. Use of Estimates Use of EstimatesThe preparation of the consolidated financial statements requires the Company to make a number of estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Significant items subject to such estimates and assumptions include allowances for doubtful accounts, sales returns and allowances, product warranty costs, inventory valuation, the carrying amount of property and equipment, right-of-use assets, lease liabilities, stock-based compensation, and deferred income taxes. The Company evaluates its estimates and assumptions on an on-going basis using historical experience and other factors, including current economic conditions, which are believed to be reasonable under the circumstances. Management adjusts such estimates and assumptions when facts and circumstances warrant. Illiquid credit markets, volatile equity markets and declines in business investment can increase the uncertainty inherent in such estimates and assumptions. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Changes in these estimates resulting from continuing changes in the economic environment will be reflected in the financial statements in future periods. Restricted Cash Restricted CashAs of September 30, 2024, the Company had $0.4 million of restricted cash to support its outstanding letters of credit. Concentration of Credit Risk Concentration of Credit RiskFinancial instruments, which potentially expose the Company to concentrations of credit risk, consist principally of accounts receivable. The Companyâ€™s customers are primarily insulation distributors, insulation contractors, insulation fabricators and select energy and automotive end-users located throughout the world. The Company performs ongoing credit evaluations of its customersâ€™ financial condition and generally requires no collateral to secure accounts receivable. The Company maintains an allowance for doubtful accounts based on its assessment of the collectability of accounts receivable. The Company reviews the allowance for doubtful accounts quarterly. During the nine months ended September 30, 2024, the Company recorded an increase for estimated customer uncollectible accounts receivable of $0.1 million. During the nine months ended September 30, 2023, the Company recorded a reduction for estimated customer uncollectible accounts receivable of less than $0.1 million.For the nine months ended September 30, 2024 and 2023, two customers represented 74% and 50% of total revenue, respectively.At September 30, 2024, the Company had one customer which accounted for 79% of accounts receivable. At December 31, 2023, the Company had two customers which accounted for 60% and 6% of accounts receivable, respectively. Revenue Recognition Revenue RecognitionThe Company recognizes revenue in accordance with Accounting Standards Codification 606, Revenue from Contracts with Customers (ASC 606). See note 3 for further details. Sale and Leaseback Accounting Sale and Leaseback AccountingThe Company has entered into sale and leaseback transactions for certain equipment within its plants. Due to the Company not meeting criteria to account for the transfer of the assets as a sale, sale accounting is precluded. Accordingly, the Company uses the financing method to account for these transactions.Under the financing method of accounting for a sale and leaseback, the Company does not derecognize the assets and does not recognize as revenue any of the sale proceeds received from the lessor that contractually constitutes payment to acquire the assets subject to these arrangements. Instead, the sale proceeds received are accounted for as finance obligations and leaseback payments made by the Company are allocated between interest expense and a reduction to the finance obligation. Interest on the finance obligation is calculated using the Companyâ€™s incremental borrowing rate at the inception of the arrangement on the outstanding finance obligation. Recently Issued Accounting Standards Recently Issued Accounting StandardsFrom time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies. Recently issued standards typically do not require adoption until a future effective date. Prior to their effective date, the Company evaluates the pronouncements to determine the potential effects of adoption to its consolidated financial statements.Standards Implemented Since December 31, 2023The Company has not implemented any accounting standards that had a material impact on its consolidated financial statements during the nine months ended September 30, 2024.Standards to be ImplementedIn November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Companyâ€™s fiscal year 2024 and interim periods in fiscal year 2025. Early adoption is permitted. The Company is currently evaluating segment expense disclosures related to its annual report for fiscal year 2024.In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Companyâ€™s fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025. Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements.The Company believes that the impact of recently issued accounting standards that are not yet effective will not have a material impact on its consolidated financial statements. X - DefinitionLiquidity. + ReferencesNo definition available. + Details Name: aspn_LiquidityPolicyTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionNature of business. + ReferencesNo definition available. + Details Name: aspn_NatureOfBusinessPolicyTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionRestricted cash. + ReferencesNo definition available. + Details Name: aspn_RestrictedCashPolicyTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionSale and Leaseback Accounting [Policy Text Block] + ReferencesNo definition available. + Details Name: aspn_SaleAndLeasebackAccountingPolicyTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration 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 accounting policy for basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS). + ReferencesNo definition available. + Details Name: us-gaap_BasisOfAccountingPolicyPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for credit risk. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 942 -SubTopic 825 -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478898/942-825-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (d) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1 + Details Name: us-gaap_ConcentrationRiskCreditRisk 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. Includes revenue from contract with customer and from other sources. + 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(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483426/235-10-50-4Reference 3: 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/1943274/2147483426/235-10-50-4 + Details Name: us-gaap_RevenueRecognitionPolicyTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - DefinitionDisclosure of accounting policy for the use of estimates in the preparation of financial statements in conformity with generally accepted accounting principles. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-9Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (c) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 11 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-11Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 12 -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-12Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 275 -SubTopic 10 -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-8 + Details Name: us-gaap_UseOfEstimates Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 32 R26.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue from Contracts with Customers (Tables) 9 Months Ended Sep. 30, 2024 Revenue from Contract with Customer [Abstract] Â  Summary of Revenue Disaggregated by Geographical Region and Source of Revenue In the following tables, revenue is disaggregated by primary geographical region and source of revenue: Â Â Three Months Ended September 30, Â Â Â 2024 Â Â 2023 Â Â Â U.S. Â Â International Â Â Total Â Â U.S. Â Â International Â Â Total Â Â Â (In thousands) Â Geographical region 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 Â Â Â Â Â Â Asia Â $ â€” Â Â $ 4,439 Â Â $ 4,439 Â Â $ â€” Â Â $ 5,801 Â Â $ 5,801 Â Canada Â Â Â â€” Â Â Â 6,125 Â Â Â 6,125 Â Â Â â€” Â Â Â 633 Â Â Â 633 Â Europe Â Â â€” Â Â Â 8,455 Â Â Â 8,455 Â Â Â â€” Â Â Â 11,361 Â Â Â 11,361 Â Latin America Â Â â€” Â Â Â 25,012 Â Â Â 25,012 Â Â Â â€” Â Â Â 1,176 Â Â Â 1,176 Â U.S. Â Â 73,309 Â Â Â â€” Â Â Â 73,309 Â Â Â 41,784 Â Â Â â€” Â Â Â 41,784 Â Total revenue Â $ 73,309 Â Â $ 44,031 Â Â $ 117,340 Â Â $ 41,784 Â Â $ 18,971 Â Â $ 60,755 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 Â Â Â Â Â Â Source of revenue 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 Â Â Â Â Â Â Energy industrial Â $ 13,679 Â Â $ 13,097 Â Â $ 26,776 Â Â $ 12,249 Â Â $ 15,663 Â Â $ 27,912 Â Thermal barrier Â Â 59,630 Â Â Â 30,934 Â Â Â 90,564 Â Â Â 29,535 Â Â Â 3,308 Â Â Â 32,843 Â Total revenue Â $ 73,309 Â Â $ 44,031 Â Â $ 117,340 Â Â $ 41,784 Â Â $ 18,971 Â Â $ 60,755 Â Â Â Â Â Â Nine Months Ended September 30, Â Â Â 2024 Â Â 2023 Â Â U.S. Â Â International Â Â Total Â Â U.S. Â Â International Â Â Total Â Â Â (In thousands) Â Geographical region 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 Â Â Â Â Â Â Asia Â $ â€” Â Â $ 18,071 Â Â $ 18,071 Â Â $ â€” Â Â $ 27,522 Â Â $ 27,522 Â Canada Â Â Â â€” Â Â Â 11,599 Â Â Â 11,599 Â Â Â â€” Â Â Â 1,519 Â Â Â 1,519 Â Europe Â Â â€” Â Â Â 26,926 Â Â Â 26,926 Â Â Â â€” Â Â Â 26,735 Â Â Â 26,735 Â Latin America Â Â â€” Â Â Â 74,614 Â Â Â 74,614 Â Â Â â€” Â Â Â 5,065 Â Â Â 5,065 Â U.S. Â Â 198,401 Â Â Â â€” Â Â Â 198,401 Â Â Â 93,658 Â Â Â â€” Â Â Â 93,658 Â Total revenue Â $ 198,401 Â Â $ 131,210 Â Â $ 329,611 Â Â $ 93,658 Â Â $ 60,841 Â Â $ 154,499 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 Â Â Â Â Â Â Source of revenue 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 Â Â Â Â Â Â Energy industrial Â $ 41,853 Â Â $ 50,928 Â Â $ 92,781 Â Â $ 43,994 Â Â $ 53,317 Â Â $ 97,311 Â Thermal barrier Â Â 156,548 Â Â Â 80,282 Â Â Â 236,830 Â Â Â 49,664 Â Â Â 7,524 Â Â Â 57,188 Â Total revenue Â $ 198,401 Â Â $ 131,210 Â Â $ 329,611 Â Â $ 93,658 Â Â $ 60,841 Â Â $ 154,499 Â Â Summary of Changes in Contract Assets and Contract Liabilities The following table presents changes in the Companyâ€™s contract liabilities during the nine months ended September 30, 2024:Â Â Â Â Balance atDecember 31,2023 Â Â Additions Â Â Deductions Â Â Balance at September 30, 2024 Â Â Â Â (In thousands) Â Contract liabilities 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 Â Â Â Â Â Â Deferred revenue 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 Â Â Â Â Â Â Energy industrial Â $ 2,316 Â Â $ 5,686 Â Â $ (5,597 ) Â $ 2,405 Â Total contract liabilities Â $ 2,316 Â Â $ 5,686 Â Â $ (5,597 ) Â $ 2,405 Â X - DefinitionTabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-10 + Details Name: us-gaap_ContractWithCustomerAssetAndLiabilityTableTextBlock Namespace Prefix: us-gaap_ 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 33 R27.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories (Tables) 9 Months Ended Sep. 30, 2024 Inventory Disclosure [Abstract] Â Schedule of Inventories Inventories consist of the following: Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Raw materials Â $ 16,054 Â Â $ 24,735 Â Work in process Â Â 12,226 Â Â Â 7,936 Â Finished goods Â Â 19,150 Â Â Â 6,518 Â Total Â $ 47,430 Â Â $ 39,189 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 - 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 34 R28.htm IDEA: XBRL DOCUMENT v3.24.3 Property, Plant and Equipment, Net (Tables) 9 Months Ended Sep. 30, 2024 Property, Plant and Equipment [Abstract] Â Summary of Property, Plant and Equipment Property, plant and equipment consist of the following:Â Â Â September 30, Â Â December 31, Â Â Useful Â Â Â 2024 Â Â 2023 Â Â life Â Â Â (In thousands) Â Â Â Â Construction in progress Â $ 344,063 Â Â $ 314,695 Â Â Â â€” Â Buildings Â Â 26,914 Â Â Â 25,473 Â Â 30Â years Â Machinery and equipment Â Â 197,657 Â Â Â 185,339 Â Â 3-10Â years Â Computer equipment and software Â Â 9,703 Â Â Â 9,495 Â Â 3Â years Â Leasehold improvements Â Â 24,570 Â Â Â 23,514 Â Â Shorter of useful life or lease term Â Total Â Â 602,907 Â Â Â 558,516 Â Â Â Â Accumulated depreciation Â Â (151,338 ) Â Â (141,289 ) Â Â Â Property, plant and equipment, net Â $ 451,569 Â Â $ 417,227 Â Â Â Â X - ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated deprecation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 35 R29.htm IDEA: XBRL DOCUMENT v3.24.3 Accrued Expenses (Tables) 9 Months Ended Sep. 30, 2024 Payables and Accruals [Abstract] Â Schedule of Accrued Expenses Accrued expenses consist of the following: Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Employee compensation Â $ 15,003 Â Â $ 16,876 Â Other accrued expenses Â Â 11,528 Â Â Â 5,935 Â Total Â $ 26,531 Â Â $ 22,811 Â X - ReferencesNo definition available. + Details Name: us-gaap_PayablesAndAccrualsAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of the components of accrued liabilities. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfAccruedLiabilitiesTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 36 R30.htm IDEA: XBRL DOCUMENT v3.24.3 Convertible Note - Related Party (Tables) 9 Months Ended Sep. 30, 2024 Convertible Notes [Abstract] Â Summary of Convertible Notes In accordance with ASU 2020-06, the 2022 Convertible Note is accounted for as a single unit of account and consists of the following: Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Convertible note, principal Â $ â€” Â Â $ 100,000 Â Payment in-kind Â Â â€” Â Â Â 18,318 Â Discount on convertible note, net of accumulated amortization Â Â â€” Â Â Â (3,209 ) Debt issuance costs, net of accumulated amortization Â Â â€” Â Â Â (117 ) Convertible note Â $ â€” Â Â $ 114,992 Â X - DefinitionConvertible notes. + ReferencesNo definition available. + Details Name: aspn_ConvertibleNotesAbstract Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of convertible debt instrument. Includes, but is not limited to, principal amount and amortized premium or discount. + ReferencesNo definition available. + Details Name: us-gaap_ConvertibleDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 37 R31.htm IDEA: XBRL DOCUMENT v3.24.3 Debt (Tables) 9 Months Ended Sep. 30, 2024 Debt Disclosure [Abstract] Â Schedule of MidCap Debt MidCap debt consists of the following:Â Â Â September 30, Â Â Â 2024 Â Â Â (In thousands) Â Term loan Â Â 125,000 Â Exit fee Â Â 85 Â Term loan issuance costs Â Â (5,161 ) Total debt Â Â 119,924 Â Current portion Â Â 26,250 Â Long term portion Â Â 93,674 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 - DefinitionTabular disclosure of information pertaining to short-term and long-debt instruments or arrangements, including but not limited to identification of terms, features, collateral requirements and other information necessary to a fair presentation. + ReferencesNo definition available. + Details Name: us-gaap_ScheduleOfDebtTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 38 R32.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies (Tables) 9 Months Ended Sep. 30, 2024 Commitments and Contingencies Disclosure [Abstract] Â Summary of Capitalized Implementation Costs are Classified on the Consolidated Balance Sheets The capitalized implementation costs are classified on the consolidated balance sheets as follows: Â Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Cloud computing costs included in other current assets Â $ 780 Â Â $ 420 Â Cloud computing costs included in other assets Â Â 2,691 Â Â Â 1,590 Â Amortization of cloud computing costs Â Â (578 ) Â Â (662 ) Total capitalized cloud computing costs Â $ 2,893 Â Â $ 1,348 Â X - DefinitionSchedule of capitalized implementation costs. + ReferencesNo definition available. + Details Name: aspn_ScheduleOfCapitalizedImplementationCostsTableTextBlock Namespace Prefix: aspn_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 39 R33.htm IDEA: XBRL DOCUMENT v3.24.3 Leases and sale and leaseback (Tables) 9 Months Ended Sep. 30, 2024 Leases [Abstract] Â Summary of Maturities of Operating Lease Liabilities Maturities of operating lease liabilities as of September 30, 2024 are as follows:Â Year Â OperatingLeases Â Â Â (In thousands) Â 2024 (excluding the nine months ended September 30, 2024) Â $ 1,523 Â 2025 Â Â 6,110 Â 2026 Â Â 5,598 Â 2027 Â Â 4,695 Â 2028 Â Â 4,599 Â Thereafter Â Â 19,338 Â Total lease payments Â Â 41,863 Â Less imputed interest Â Â (14,940 ) Total lease liabilities Â $ 26,923 Â Â X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType Balance Type: na Period Type: duration XML 40 R34.htm IDEA: XBRL DOCUMENT v3.24.3 Stock Based Compensation (Tables) 9 Months Ended Sep. 30, 2024 Share-Based Payment Arrangement [Abstract] Â Summary of Stock Based Compensation Included in Cost of Revenue or Operating Expenses Stock-based compensation is included in cost of revenue or operating expenses, as applicable, and consists of the following: Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Â (In thousands) Â Cost of product revenue Â $ 186 Â Â $ 93 Â Â $ 545 Â Â $ 420 Â Research and development expenses Â Â 188 Â Â Â 255 Â Â Â 891 Â Â Â 510 Â Sales and marketing expenses Â Â 456 Â Â Â 378 Â Â Â 1,241 Â Â Â 1,110 Â General and administrative expenses Â Â 1,800 Â Â Â 2,063 Â Â Â 7,630 Â Â Â 5,726 Â Total stock-based compensation Â $ 2,630 Â Â $ 2,789 Â Â $ 10,307 Â Â $ 7,766 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 XML 41 R35.htm IDEA: XBRL DOCUMENT v3.24.3 Net Income (Loss) Per Share (Tables) 9 Months Ended Sep. 30, 2024 Earnings Per Share [Abstract] Â Computation of Basic and Diluted Net Income (Loss) Per Share The computation of basic and diluted net income (loss) per share consists of the following:Â Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands, exceptshare and per share data) Â Numerator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net income (loss) Â $ (12,970 ) Â $ (13,073 ) Â $ 2,013 Â Â $ (45,292 ) Denominator: Â Â Â Â Â Â Â Â Â Â Â Â Â Â Weighted average shares outstanding, basic Â Â 76,261,294 Â Â Â 69,317,805 Â Â Â 76,402,123 Â Â Â 69,243,843 Â Weighted average shares outstanding, diluted Â Â 76,261,294 Â Â Â 69,317,805 Â Â Â 79,149,193 Â Â Â 69,243,843 Â Net income (loss) per share, basic Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Net income (loss) per share, diluted Â $ (0.17 ) Â $ (0.19 ) Â $ 0.03 Â Â $ (0.65 ) Summary of Potentially Dilutive Common Shares Excluded from Computation of Diluted Net Loss Per Share Potentially dilutive common shares that were excluded from the computation of diluted net (loss) income per share because they were anti-dilutive consist of the following:Â Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Common stock options Â Â 4,453,006 Â Â Â 5,462,015 Â Â Â 110,900 Â Â Â 5,462,015 Â Restricted common stock units Â Â 559,389 Â Â Â 568,469 Â Â Â 1,957 Â Â Â 568,469 Â Restricted common stock awards Â Â 13,264 Â Â Â 889,366 Â Â Â 824 Â Â Â 889,366 Â Convertible note, if converted Â Â â€” Â Â Â 3,862,221 Â Â Â â€” Â Â Â 3,862,221 Â Total Â Â 5,025,659 Â Â Â 10,782,071 Â Â Â 113,681 Â Â Â 10,782,071 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 - DefinitionTabular disclosure of securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 260 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTextBlock Namespace Prefix: us-gaap_ Data Type: dtr-types:textBlockItemType 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 42 R36.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information (Tables) 9 Months Ended Sep. 30, 2024 Segment Reporting [Abstract] Â Summary of Revenue and Segment Operating Profit Summarized below are the Revenue and Segment Operating Profit for each reporting segment:Â Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Revenue Â Â Segment Operating Profit (Loss) Â Â Â Three Months Ended Â Â Three Months Ended Â Â Nine Months Ended Â Â Â September 30, Â Â September 30, Â Â September 30, Â Â September 30, Â Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Â (In thousands) Â Energy industrial Â $ 26,776 Â Â $ 27,912 Â Â $ 10,733 Â Â $ 5,825 Â Â $ 92,781 Â Â $ 97,311 Â Â $ 37,750 Â Â $ 24,246 Â Thermal barrier Â Â 90,564 Â Â Â 32,843 Â Â Â 38,310 Â Â Â 7,985 Â Â Â 236,830 Â Â Â 57,188 Â Â Â 98,014 Â Â Â 3,057 Â Total Â $ 117,340 Â Â $ 60,755 Â Â $ 49,043 Â Â $ 13,810 Â Â $ 329,611 Â Â $ 154,499 Â Â $ 135,764 Â Â $ 27,303 Â Corporate expenses Â Â Â Â Â Â Â Â 31,643 Â Â Â 28,444 Â Â Â Â Â Â Â Â Â Â 95,942 Â Â Â 77,889 Â Operating profit (loss) Â Â Â Â Â Â Â Â 17,400 Â Â Â (14,634 ) Â Â Â Â Â Â Â Â 39,822 Â Â Â (50,586 ) Other (expense) income, net Â Â Â Â Â Â Â Â Â Â (30,103 ) Â Â 1,561 Â Â Â Â Â Â Â Â Â Â (35,920 ) Â Â 5,294 Â Income tax expense Â Â Â Â Â Â Â Â (267 ) Â Â - Â Â Â Â Â Â Â Â Â Â (1,889 ) Â Â - Â Net income (loss) Â Â Â Â Â Â Â Â Â Â (12,970 ) Â $ (13,073 ) Â Â Â Â Â Â Â Â Â Â $ 2,013 Â Â $ (45,292 ) Â Â Â Total Assets Â Â Â September 30, Â Â December 31, Â Â Â 2024 Â Â 2023 Â Â Â (In thousands) Â Energy industrial Â $ 97,575 Â Â $ 93,168 Â Thermal barrier Â Â 172,582 Â Â Â 118,565 Â Total assets of reportable segments Â Â 270,157 Â Â Â 211,733 Â Construction in progress Â Â 344,041 Â Â Â 314,678 Â All other corporate assets Â Â 168,389 Â Â Â 176,637 Â Â Â $ 782,587 Â Â $ 703,048 Â 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 43 R37.htm IDEA: XBRL DOCUMENT v3.24.3 Description of Business and Basis of Presentation - Additional Information (Detail) 1 Months Ended 3 Months Ended 9 Months Ended Aug. 19, 2024 USD ($) Sep. 30, 2024 USD ($) Jan. 31, 2024 USD ($) Sep. 30, 2024 USD ($) Jun. 30, 2024 USD ($) Mar. 31, 2024 USD ($) Sep. 30, 2023 USD ($) Jun. 30, 2023 USD ($) Mar. 31, 2023 USD ($) Sep. 30, 2024 USD ($) Subsidiary Sep. 30, 2023 USD ($) Dec. 31, 2023 USD ($) Basis Of Presentation [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Number of Subsidiaries | Subsidiary Â Â Â Â Â Â Â Â Â Â 3 Â Â Period of option to purchase Â Â Â Â Â Â Â Â 18 months Â Â Net income earned Â Â Â $ (12,970,000) $ 16,818,000 $ (1,835,000) $ (13,073,000) $ (15,423,000) $ (16,796,000) $ 2,013,000 $ (45,292,000) Â Cash used in operations Â Â Â Â Â Â Â Â (9,865,000) $ 39,833,000 Â Cash for capital expenditures Â Â Â Â Â Â Â Â Â $ 71,500,000 Â Â Sale and leaseback arrangement date Â September 2024 January 2024 Â Â Â Â Â Â Â September 2024 Â Â Sale and leaseback equipment value Â $ 10,000,000 $ 5,000,000 10,000,000 Â Â Â Â Â Â $ 10,000,000 Â Â Sale and leaseback rent payment term Â 3 years 3 years Â Â Â Â Â Â Â Â Â Unrestricted cash and cash equivalents Â $ 113,489,000 Â 113,489,000 Â Â Â Â Â 113,489,000 Â $ 139,723,000 2022 Convertible Notes [Member] | Credit, Security and Guaranty Agreement with MidCap Financial [Member] Â Â Â Â Â Â Â Â Â Â Â Â Basis Of Presentation [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Proceeds of the borrowings $ 150,000,000 Â Â Â Â Â Â Â Â Â Â Â Â Revolving Credit Facility [Member] | Credit, Security and Guaranty Agreement with MidCap Financial [Member] Â Â Â Â Â Â Â Â Â Â Â Â Basis Of Presentation [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Line of credit facility amount withdrawn 43,000,000 Â Â Â Â Â Â Â Â Â Â Available borrowing capacity Â $ 25,700,000 Â $ 25,700,000 Â Â Â Â Â $ 25,700,000 Â Â Term Loan Facility [Member] | Credit, Security and Guaranty Agreement with MidCap Financial [Member] Â Â Â Â Â Â Â Â Â Â Â Â Basis Of Presentation [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Aggregate principal amount 125,000,000 Â Â Â Â Â Â Â Â Â Â Line of credit facility amount withdrawn 125,000,000 Â Â Â Â Â Â Â Â Â Â Asset Based Revolving Credit Facility [Member] | Maximum [Member] | Credit, Security and Guaranty Agreement with MidCap Financial [Member] Â Â Â Â Â Â Â Â Â Â Basis Of Presentation [Line Items] Â Â Â Â Â Â Â Â Â Â Â Â Aggregate principal amount $ 100,000,000 Â Â Â Â Â Â Â Â Â Â X - DefinitionBasis of presentation. + ReferencesNo definition available. + Details Name: aspn_BasisOfPresentationLineItems Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionNumber of subsidiaries. + ReferencesNo definition available. + Details Name: aspn_NumberOfSubsidiaries Namespace Prefix: aspn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionPeriod of option to purchase. + ReferencesNo definition available. + Details Name: aspn_PeriodOfOptionToPurchase Namespace Prefix: aspn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483467/210-10-45-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-4 + Details Name: us-

gaap_CashAndCashEquivalentsAtCarryingValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of current borrowing capacity under the credit facility considering any current restrictions on the amount that could be borrowed (for example, borrowings may be limited by the amount of current assets), but without considering any amounts currently outstanding under the facility. + 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityCurrentBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionMaximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility. + 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe carrying value as of the balance sheet date of the current portion of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -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 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1 + Details Name: us-gaap_LinesOfCreditCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant 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 - 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 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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 cash outflow for purchases of and capital improvements on property, plant and equipment (capital expenditures), software, and other intangible assets. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 25 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480060/805-50-25-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 805 -SubTopic 50 -Name Accounting Standards Codification -Section 30 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480027/805-50-30-2Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13 + Details Name: us-gaap_PaymentsToAcquireProductiveAssets Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe cash inflow during the period from additional borrowings in aggregate debt. Includes proceeds from short-term and long-term debt. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14 + Details Name: us-gaap_ProceedsFromIssuanceOfDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe date of the transaction involving the sale of the property to another party and the lease of the property back to the seller. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481295/840-40-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-1 + Details Name: us-gaap_SaleLeasebackTransactionDate Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionLease term for sale and leaseback transaction, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2 + Details Name: us-gaap_SaleLeasebackTransactionLeaseTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe net book value of the asset(s) sold in connection with the sale of the property to another party and lease back to the seller. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-50Reference 2: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-52Reference 3: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 51 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-51Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2 + Details Name: us-gaap_SaleLeasebackTransactionNetBookValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=aspn_TwoThousandAndTwentyTwoConvertibleNotesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=aspn_CreditSecurityAndGuarantyAgreementWithMidcapFinancialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=us-gaap_RevolvingCreditFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=aspn_TermLoanFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=aspn_AssetBasedRevolvingCreditFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 44 R38.htm IDEA: XBRL DOCUMENT v3.24.3 Significant Accounting Policies - Additional Information (Detail) $ in Thousands 9 Months Ended 12 Months Ended Sep. 30, 2024 USD ($) Customer Sep. 30, 2023 USD ($) Customer Dec. 31, 2023 USD ($) Customer Summary Of Significant Accounting Policies [Line Items] Â Â Â Reduction/Charge for uncollectible accounts receivable | $ $ 139 $ (89) Â Restricted cash to support our outstanding letters of credit | $ $ 394 Â $ 248 Revenue [Member] | Customer Concentration Risk [Memeber] | Two Customers [Member] Â Â Â Summary Of Significant Accounting Policies [Line Items] Â Â Â Number of customers | Customer 2 2 Â Revenue [Member] | Customer Concentration Risk [Memeber] | Customer A [Member] Â Â Â Summary Of Significant Accounting Policies [Line Items] Â Â Â Concentration risk percentage 74.00% 74.00% Â Revenue [Member] | Customer Concentration Risk [Memeber] | Customer B [Member] Â Â Â Summary Of Significant Accounting Policies [Line Items] Â Â Â Concentration risk percentage 50.00% Â Â Accounts Receivable [Member] | Customer Concentration Risk [Memeber] | Two Customers [Member] Â Â Â Summary Of Significant Accounting Policies [Line Items] Â Â Â Number of customers | Customer Â Â 2 Accounts Receivable [Member] | Customer Concentration Risk [Memeber] | One Customer [Member] Â Â Â Summary Of Significant Accounting Policies [Line Items] Â Â Â Concentration risk percentage 79.00% Â Â Number of customers | Customer 1 Â Â Accounts Receivable [Member] | Customer Concentration Risk [Memeber] |

Customer A [Member] Â Â Â  Summary Of Significant Accounting Policies [Line Items] Â Â Â  Concentration risk percentage Â Â  60.00% Accounts Receivable [Member] | Customer Concentration Risk [Memeber] | Customer B [Member] Â Â Â  Summary Of Significant Accounting Policies [Line Items] Â Â Â  Concentration risk percentage Â Â  6.00% Maximum [Member] Â Â Â  Summary Of Significant Accounting Policies [Line Items] Â Â Â  Reduction/Charge for uncollectible accounts receivable | $ Â  $ 100 Â  X - DefinitionNumber of customers. + ReferencesNo definition available. + Details Name: aspn_NumberOfCustomers Namespace Prefix: aspn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionSummary of significant accounting policies. + ReferencesNo definition available. + Details Name: aspn_SummaryOfSignificantAccountingPoliciesLineItems Namespace Prefix: aspn_ 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 - DefinitionAmount of expense (reversal of expense) for expected credit loss on accounts receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 326 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479319/326-20-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2 + Details Name: us-gaap_ProvisionForDoubtfulAccounts Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash restricted as to withdrawal or usage, classified as current. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482913/230-10-50-8 + Details Name: us-gaap_RestrictedCashCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_SalesRevenueNetMember 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=aspn_TwoCustomersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=aspn_CustomerAMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=aspn_CustomerBMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_ConcentrationRiskByBenchmarkAxis=us-gaap_AccountsReceivableMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_MajorCustomersAxis=aspn_OneCustomerMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 45 R39.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue from Contracts with Customers - Additional Information (Details) $ in Millions 9 Months Ended Sep. 30, 2024 USD ($) Agreement Dec. 31, 2023 USD ($) Revenue Recognition [Line Items] Â Â  Deferred revenue, revenue recognized $ 2.3 Â  Maximum [Member] Â Â  Revenue Recognition [Line Items] Â Â  Sales return reserves $ 0.7 $ 0.2 Energy Industrial [Member] Â Â  Revenue Recognition [Line Items] Â Â  Number of performance obligations | Agreement 1 Â X - DefinitionNumber of performance obligations. + ReferencesNo definition available. + Details Name: aspn_NumberOfPerformanceObligations Namespace Prefix: aspn_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - DefinitionRevenue recognition. + ReferencesNo definition available. + Details Name: aspn_RevenueRecognitionLineItems Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionSales return reserve. + ReferencesNo definition available. + Details Name: aspn_SalesReturnReserve Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of revenue recognized that was previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8 + Details Name: us-gaap_ContractWithCustomerLiabilityRevenueRecognized Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=aspn_EnergyIndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 46 R40.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue from Contracts with Customers - Summary of Revenue Disaggregated by Geographical Region and Source of Revenue (Detail) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue $ 117,340 $ 60,755 $ 329,611 $ 154,499 Energy Industrial [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 26,776 27,912 92,781 97,311 Thermal Barrier [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 90,564 32,843 236,830 57,188 Asia [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 4,439 5,801 18,071 27,522 Canada [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 6,125 633 11,599 1,519 Europe [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 8,455 11,361 26,926 26,735 Latin America [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 25,012 1,176 74,614 5,065 U.S. [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 73,309 41,784 198,401 93,658 U.S. [Member] | Energy Industrial [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 13,679 12,249 41,853 43,994 U.S. [Member] | Thermal Barrier [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 59,630 29,535 156,548 49,664 International [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 44,031 18,971 131,210 60,841 International [Member] | Energy Industrial [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue 13,097 15,663 50,928 53,317 International [Member] | Thermal Barrier [Member] Â Â Â Â  Disaggregation Of Revenue [Line Items] Â Â Â Â  Total revenue $ 30,934 $ 3,308 $ 80,282 $ 7,524 X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91Reference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 91 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479777/606-10-55-91 + Details Name: us-gaap_DisaggregationOfRevenueLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 41 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-41Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 5: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 924 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SAB Topic 11.L) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479941/924-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 5 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-5Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 42 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-42Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 40 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-40Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-4 + Details Name: us-gaap_RevenueFromContractWithCustomerExcludingAssessedTax Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - Details Name: srt_ProductOrServiceAxis=aspn_EnergyIndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ProductOrServiceAxis=aspn_ThermalBarrierMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_AsiaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_CA Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_EuropeMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=srt_LatinAmericaMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=country_US Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=aspn_InternationalMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 47 R41.htm IDEA: XBRL DOCUMENT v3.24.3 Revenue from Contracts with Customers - Summary of Changes in Contract Assets and Contract Liabilities (Detail) $ in Thousands 9 Months Ended Sep. 30, 2024 USD ($) Contract liabilities Â  Beginning Balance $ 2,316 Additions 5,686 Deductions (5,597) Ending Balance 2,405 Energy Industrial [Member] Â Contract liabilities Â  Beginning Balance 2,316 Additions 5,686 Deductions (5,597) Ending Balance $ 2,405 X - DefinitionContract with customer liability additions. + ReferencesNo definition available. + Details Name: aspn_ContractWithCustomerLiabilityAdditions Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionContract with customer liability deductions. + ReferencesNo definition available. + Details Name: aspn_ContractWithCustomerLiabilityDeductions Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of obligation to transfer good or service to customer for which consideration has been received or is receivable. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479806/606-10-50-8Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 606 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479837/606-10-45-2 + Details Name: us-gaap_ContractWithCustomerLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_ContractWithCustomerLiabilityAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: srt_ProductOrServiceAxis=aspn_EnergyIndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 48 R42.htm IDEA: XBRL DOCUMENT v3.24.3 Inventories - Schedule of Inventories (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Inventory Disclosure [Abstract] Â Â  Raw materials $ 16,054 $ 24,735 Work in process 12,226 7,936 Finished goods 19,150 6,518 Total $ 47,430 $ 39,189 X - ReferencesNo definition available. + Details Name: us-gaap_InventoryDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -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_InventoryFinishedGoodsNetOfReserves 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 - DefinitionCarrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -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_InventoryRawMaterialsNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionCarrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SAB Topic 5.BB) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480581/330-10-S99-2Reference 2: http://www.xbrl.org/2003/role/exampleRef -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_InventoryWorkInProcessNetOfReserves Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 49 R43.htm IDEA: XBRL DOCUMENT v3.24.3 Property, Plant and Equipment, Net - Summary of Property, Plant and Equipment (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 602,907 $ 558,516 Accumulated depreciation (151,338) (141,289) Property, plant and equipment, net 451,569 417,227 Construction in Progress [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross 344,063 314,695 Buildings [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 26,914 25,473 Property, plant and equipment, Useful life 30 years Â Machinery and Equipment [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 197,657 185,339 Machinery and Equipment [Member] | Minimum [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, Useful life 3 years Â Machinery and Equipment [Member] | Maximum [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, Useful life 10 years Â Computer Equipment and Software [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 9,703 9,495 Property, plant and equipment, Useful life 3 years Â Leasehold Improvements [Member] Â Â Property Plant and Equipment [Line Items] Â Â Property, plant and equipment, gross $ 24,570 $ 23,514 Property, Plant, and Equipment, Useful Life, Term, Description [Extensible Enumeration] us-gaap:UsefulLifeShorterOfTermOfLeaseOrAssetUtilityMember Â X - DefinitionAmount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(13)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentGross Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A + Details Name: us-gaap_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -SubTopic 10 -Topic 360 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 3: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(8)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 942 -SubTopic 360 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478451/942-360-50-1 + Details Name: us-gaap_PropertyPlantAndEquipmentNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionUseful life of long lived, physical assets used in the normal conduct of business and not intended for resale, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment. + ReferencesNo definition available. + Details Name: us-gaap_PropertyPlantAndEquipmentUsefulLife Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionIndicates description of term of useful life for property, plant, and equipment when not stated as numeric value. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482190/360-10-35-3 + Details Name: us-gaap_PropertyPlantAndEquipmentUsefulLifeDescriptionOfTermExtensibleEnumeration Namespace Prefix: us-gaap_ Data Type: enum2:enumerationSetItemType Balance Type: na Period Type: instant X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_BuildingMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_MachineryAndEquipmentMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=aspn_ComputerEquipmentAndSoftwareMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_LeaseholdImprovementsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 50 R44.htm IDEA: XBRL DOCUMENT v3.24.3 Property, Plant and Equipment, Net - Additional Information (Detail) - USD ($) 9 Months Ended 12 Months Ended Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Property Plant and Equipment [Line Items] Â Â Â Depreciation $ 17,093,000 $ 10,757,000 Â Impairment charges of property, plant and equipment 6,810,000 0 Â Impairment of equipment under development 2,702,000 Â Â Capitalized interest Â 6,084,000 Â Cost of Revenue [Member] Â Â Â Property Plant and Equipment [Line Items] Â Â Â Impairment charges of property, plant and equipment 4,100,000 Â Â Georgia [Member] Â Â Â Property Plant and Equipment [Line Items] Â Â Â Pre-construction costs 325,100,000 Â $ 288,500,000 Capitalized interest 0 $ 8,800,000 Â Georgia [Member] | Construction in Progress [Member] Â Â Â Property Plant and Equipment [Line Items] Â Â Â Capitalized interest $ 8,800,000 Â Â X - DefinitionPre-construction costs. + ReferencesNo definition available. + Details Name: aspn_PreConstructionCosts Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 360 -SubTopic 10 -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-1 + Details Name: us-gaap_Depreciation Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate amount of write-downs for impairments recognized during the period for long lived assets held for use (including those held for disposal by means other than sale). + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482099/360-10-50-2Reference 4: 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_ImpairmentOfLongLivedAssetsHeldForUse Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe aggregate amount of write-downs for impairments recognized during the period for long-lived assets held for abandonment, exchange or sale. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 100 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482078/820-10-55-100Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 15 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482130/360-10-45-15 + Details Name: us-gaap_ImpairmentOfLongLivedAssetsToBeDisposedOf Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash paid for interest capitalized, classified as investing activity. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-13Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -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_InterestPaidCapitalized 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. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7A + Details Name: us-gaap_PropertyPlantAndEquipmentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=aspn_CostOfRevenueMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_StatementGeographicalAxis=stpr_GA Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 51 R45.htm IDEA: XBRL DOCUMENT v3.24.3 Accrued Expenses - Schedule of Accrued Expenses (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Accrued Liabilities, Current [Abstract] Â Â Employee compensation $ 15,003 $ 16,876 Other accrued expenses 11,528 5,935 Total $ 26,531 $ 22,811 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 - ReferencesNo definition available. + Details Name: us-gaap_AccruedLiabilitiesCurrentAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionTotal of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. 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_EmployeeRelatedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of expenses incurred but not yet paid classified as other, due within one year or the normal operating cycle, if longer. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_OtherAccruedLiabilitiesCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 52 R46.htm IDEA: XBRL DOCUMENT v3.24.3 Related Party Transactions - Additional Information (Details) - USD ($) $ in Thousands Sep. 30, 2024 Jun. 30, 2024 Dec. 31, 2023 Dec. 31, 2022 Related Party Transaction [Line Items] Â Â Â Â Accounts Payable $ 42,280 Â $ 51,094 Â Koch Disruptive Technologies LLC [Member] Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Accounts Payable Â Â $ 2,800 Â Accounts Paid Â $ 1,200 Â Â 2022 Convertible Notes [Member] Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Accrued interest $ 7,100 Â Â Â 2022 Convertible Notes [Member] | Wood River Capital, LLC [Member] Â Â Â Â Related Party Transaction [Line Items] Â Â Â Â Issuance and sale of convertible notes Â Â Â $ 100,000 X - DefinitionAccounts paid current. + ReferencesNo definition available. + Details Name: aspn_AccountsPaidCurrent Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAccrued interest. + ReferencesNo definition available. + Details Name: aspn_AccruedInterest Namespace Prefix: aspn_ 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 - DefinitionIncluding the current and noncurrent portions, carrying amount of debt identified as being convertible into another form of financial instrument (typically the entity's common stock) as of the balance sheet date, which originally required full repayment more than twelve months after issuance or greater than the normal operating cycle of the company. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -

Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_ConvertibleDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 310 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481990/310-10-45-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(c)(2)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(g)(3)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1 + Details Name: us-gaap_RelatedPartyTransactionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=aspn_KochDisruptiveTechnologiesLlcMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=aspn_TwoThousandAndTwentyTwoConvertibleNotesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_RelatedPartyTransactionsByRelatedPartyAxis=aspn_WoodRiverCapitalLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 53 R47.htm IDEA: XBRL DOCUMENT v3.24.3 Convertible Note - Related Party - Additional Information (Detail) - USD ($) $ in Thousands Aug. 19, 2024 Feb. 15, 2022 Sep. 30, 2024 Dec. 31, 2023 Convertible Notes [Line Items] Â Â Â Â Issuance and sale of convertible notes Â Â Â $ 100,000 Debt issuance costs, net of accumulated amortization Â Â $ 5,161 117 2022 Convertible Notes [Member] Â Â Â Â Convertible Notes [Line Items] Â Â Â Â Aggregate capitalized principal amount repurchased $ 123,900 Â Â Â Redemption price less capitalized principal amount and accrued interest 24,600 Â Â Â Purchase price $ 150,100 Â Â Â Convertible notes, fair value Â Â Â $ 118,200 Convertible debt carried at amortized cost Â Â 115,000 Â Accrued interest Â Â $ 7,100 Â 2022 Convertible Notes [Member] | Wood River Capital, LLC [Member] Â Â Â Â Convertible Notes [Line Items] Â Â Â Â Issuance and sale of convertible notes Â $ 100,000 Â Â Existing maturity date Â Feb. 18, 2027 Â Â X - DefinitionAccrued interest. + ReferencesNo definition available. + Details Name: aspn_AccruedInterest Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionConvertible debt amortized cost. + ReferencesNo definition available. + Details Name: aspn_ConvertibleDebtAmortizedCost Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionConvertible debt principal amount. + ReferencesNo definition available. + Details Name: aspn_ConvertibleDebtPrincipalAmount Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionConvertible notes. + ReferencesNo definition available. + Details Name: aspn_ConvertibleNotesLineItems Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionRedemption price less capitalized principal amount and accrued interest. + ReferencesNo definition available. + Details Name: aspn_RedemptionPriceLessCapitalizedPrincipalAmountAndAccruedInterest Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionFair value portion of borrowing which can be exchanged for a specified number of another security at the option of the issuer or the holder, for example, but not limited to, the entity's common stock. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2E -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2EReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2 + Details Name: us-gaap_ConvertibleDebtFairValueDisclosures Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionDate when the debt instrument is scheduled to be fully repaid, in YYYY-MM-DD format. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2)(i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 820 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (bbb)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482106/820-10-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1B + Details Name: us-gaap_DebtInstrumentMaturityDate Namespace Prefix: us-gaap_ Data Type: xbrli:dateItemType Balance Type: na Period Type: duration X - DefinitionFair value amount of debt instrument that was repurchased. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentRepurchaseAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionFace (par) amount of the original debt instrument that was repurchased. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentRepurchasedFaceAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DeferredFinanceCostsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=aspn_TwoThousandAndTwentyTwoConvertibleNotesMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SubsidiarySaleOfStockAxis=aspn_WoodRiverCapitalLLCMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 54 R48.htm IDEA: XBRL DOCUMENT v3.24.3 Convertible Note - Related Party - Summary of Convertible Notes (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Convertible Notes [Abstract] Â Â Convertible note, principal Â $ 100,000 Payment in-kind Â 18,318 Discount on convertible note, net of accumulated amortization Â (3,209) Debt issuance costs, net of accumulated amortization $ (5,161) (117) Convertible note Â $ 114,992 X - DefinitionConvertible debt principal amount. + ReferencesNo definition available. + Details Name: aspn_ConvertibleDebtPrincipalAmount Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionConvertible notes. + ReferencesNo definition available. + Details Name: aspn_ConvertibleNotesAbstract Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionDiscount on Convertible Note Net of Accumulated Amortization + ReferencesNo definition available. + Details Name: aspn_DiscountOnConvertibleNoteNetOfAccumulatedAmortization Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionPayment in-kind. + ReferencesNo definition available. + Details Name: aspn_PaymentInKind Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionCarrying amount of long-term convertible debt as of the balance sheet date, net of the amount due in the next twelve months or greater than the normal operating cycle, if longer. The debt is convertible into another form of financial instrument, typically the entity's common stock. + 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-S99-1 + Details Name: us-gaap_ConvertibleDebtNoncurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DeferredFinanceCostsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 55 R49.htm IDEA: XBRL DOCUMENT v3.24.3 Debt - Additional Information (Detail) - USD ($) 3 Months Ended 9 Months Ended Aug. 19, 2024 Sep. 30, 2024 Sep. 30, 2024 Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Revolving line of credit outstanding amount Â $ 42,700,000 $ 42,700,000 Mid Cap Loan Facility [Member] | Term Loan Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Aggregate principal amount $ 125,000,000 Â Â Exit fee amount $ 2,500,000 Â Â Mid Cap Loan Facility [Member] | Term Loan Facility [Member] | SOFR [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Term loan facility interest rate 4.50% Â Â Mid Cap Loan Facility [Member] | Term Loan Facility [Member] | SOFR Floor [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Term loan facility interest rate 4.50% Â Â Mid Cap Loan Facility [Member] | Term Loan Facility [Member] | SOFR Cap [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Term loan facility interest rate 7.50% Â Â Mid Cap Loan Facility [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Minimum borrowing capacity as percentage of available borrowing capacity 30.00% Â Â Percentage of unused portion of facility, monthly fee 0.30% Â Â Debt instrument covenant description Â Â The Credit Agreement includes representations and warranties, affirmative covenants (including reporting obligations), negative covenants and events of default that are usual and customary for facilities of this type, in each case, subject to certain permitted exceptions as set forth therein. The Credit Agreement includes financial covenants for the benefit of the Lenders, including (i) a covenant to maintain Liquidity (as defined therein) equal to or greater than $75 million at all times and (ii) a covenant to maintain EBITDA (as defined therein) equal to or greater than the specified applicable amount set forth in the Credit Agreement, tested quarterly with the first test set at $45 million commencing with the fiscal quarter ended September 30, 2024. Debt instrument covenant liquidity $ 100,000,000 Â Â Mid Cap Loan Facility [Member] | Asset Based Revolving Credit Facility [Member] | Minimum [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Debt instrument EBITDA covenant liquidity Â 45,000,000 Â Debt instrument covenant liquidity Â $ 75,000,000 Â Mid Cap Loan Facility [Member] | Asset Based Revolving Credit Facility [Member] | Maximum [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Aggregate principal amount $ 100,000,000 Â Â Mid Cap Loan Facility [Member] | Asset Based Revolving Credit Facility [Member] | SOFR [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Term loan facility interest rate 4.60% Â Â Mid Cap Loan Facility [Member] | Asset Based Revolving Credit Facility [Member] | SOFR Floor [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Term loan facility interest rate 2.50% Â Â Mid Cap Loan Facility [Member] | First Year After the Closing Date [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Prepayment of loan percentage 3.00% Â Â Mid Cap Loan Facility [Member] | Second Year After the Closing Date [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Prepayment of loan percentage 2.00% Â Â Mid Cap Loan Facility [Member] | Thereafter [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Prepayment of loan percentage 1.00% Â Â Mid Cap Loan Facility [Member] | Accounts of Borrowers [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Revolving credit facility percentage 85.00% Â Â Mid Cap Loan Facility [Member] | Inventory of Borrowers [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Revolving credit facility percentage 85.00% Â Â Mid Cap Loan Facility [Member] | Nolv [Member] | Asset Based Revolving Credit Facility [Member] Â Â Â Line of Credit Facility [Line Items] Â Â Â Revolving credit facility percentage 85.00% Â Â X - DefinitionDebt instrument covenant liquidity. + ReferencesNo definition available. + Details Name: aspn_DebtInstrumentCovenantLiquidity Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionDebt instrument EBITDA covenant liquidity. + ReferencesNo definition available. + Details Name: aspn_DebtInstrumentEbitdaCovenantLiquidity Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionDebt instrument exit fee amount. + ReferencesNo definition available. + Details Name: aspn_DebtInstrumentExitFeeAmount Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine of credit facility minimum borrowing capacity as percentage of available borrowing capacity. + ReferencesNo definition available. + Details Name: aspn_LineOfCreditFacilityMinimumBorrowingCapacityAsPercentageOfAvailableBorrowingCapacity Namespace Prefix: aspn_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionPercentage points added to the reference rate to compute the variable rate on the debt instrument. + ReferencesNo definition available. + Details Name: us-gaap_DebtInstrumentBasisSpreadOnVariableRate1 Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - DefinitionDescription of minimum financial levels (for example, tangible net worth and working capital) and achievement of certain financial ratios (for example, working capital ratio and debt service coverage ratio), and adherence to certain clauses which generally require or restrict certain actions (for example, entering into a debt arrangement with equal or greater seniority, and selling or discontinuing a certain business segment or material subsidiary) to be in compliance with the covenant clauses of the debt agreement. May also include a discussion of the adverse consequences that would result if the entity violates or fails to satisfy the covenants. + 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 (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477734/942-470-50-3 + Details Name: us-gaap_DebtInstrumentCovenantDescription Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionEffective interest rate for the funds borrowed under the debt agreement considering interest compounding and original issue discount or premium. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-6 + Details Name: us-gaap_DebtInstrumentInterestRateEffectivePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionThe carrying value as of the balance sheet date of the current and noncurrent portions of long-term obligations drawn from a line of credit, which is a bank's commitment to make loans up to a specific amount. Examples of items that might be included in the

application of this element may consist of letters of credit, standby letters of credit, and revolving credit arrangements, under which borrowings can be made up to a maximum amount as of any point in time conditional on satisfaction of specified terms before, as of and after the date of drawdowns on the line. Includes short-term obligations that would normally be classified as current liabilities but for which (a) postbalance sheet date issuance of a long term obligation to refinance the short term obligation on a long term basis, or (b) the enterprise has entered into a financing agreement that clearly permits the enterprise to refinance the short-term obligation on a long term basis and the following conditions are met (1) the agreement does not expire within 1 year and is not cancelable by the lender except for violation of an objectively determinable provision, (2) no violation exists at the BS date, and (3) the lender has entered into the financing agreement is expected to be financially capable of honoring the agreement. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1 + Details Name: us-gaap_LineOfCredit Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fee, expressed as a percentage of the line of credit facility, for the line of credit facility regardless of whether the facility has been used. + ReferencesNo definition available. + Details Name: us-gaap_LineOfCreditFacilityCommitmentFeePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType 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 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481544/470-10-50-6Reference 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(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionMaximum borrowing capacity under the credit facility without consideration of any current restrictions on the amount that could be borrowed or the amounts currently outstanding under the facility. + 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)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_LineOfCreditFacilityMaximumBorrowingCapacity Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionThe fee, expressed as a percentage of the line of credit facility, for available but unused credit capacity under the credit facility. + ReferencesNo definition available. + Details Name: us-gaap_LineOfCreditFacilityUnusedCapacityCommitmentFeePercentage Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_CreditFacilityAxis=us-gaap_RevolvingCreditFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentAxis=aspn_MidCapLoanFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=aspn_TermLoanFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=us-gaap_SecuredOvernightFinancingRateSofrMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=aspn_SecuredOvernightFinancingRateSofrFloorMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_VariableRateAxis=aspn_SecuredOvernightFinancingRateSofrCapMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_CreditFacilityAxis=aspn_AssetBasedRevolvingCreditFacilityMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MinimumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_RangeAxis=srt_MaximumMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentRedemptionPeriodAxis=aspn_FirstYearAfterTheClosingDateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentRedemptionPeriodAxis=aspn_SecondYearAfterTheClosingDateMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_DebtInstrumentRedemptionPeriodAxis=aspn_ThereafterMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=aspn_AccountsOfBorrowersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=aspn_InventoryOfBorrowersMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_LongtermDebtTypeAxis=aspn_NolvMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 56 R50.htm IDEA: XBRL DOCUMENT v3.24.3 Debt - Schedule of Mid Cap Debt (Detail) - USD ($) $ in Thousands Sep. 30, 2024 Dec. 31, 2023 Debt Instrument [Line Items] Â Â Exit fee $ 85 Â Term loan issuance costs (5,161) $ (117) Total debt 119,924 Â Current portion 26,250 Â Long term portion 93,674 Â Term Loan [Member] Â Â Debt Instrument [Line Items] Â Â Term loan $ 125,000 Â X - DefinitionDebt instrument exit fee. + ReferencesNo definition available. + Details Name: aspn_DebtInstrumentExitFee Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount of debt and lease obligation, 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(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_DebtCurrent Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, before unamortized (discount) premium and debt issuance costs, of long-term debt. Includes, but is not limited to, notes payable, bonds payable, commercial loans, mortgage loans, convertible debt, subordinated debt and other types of debt. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_DebtInstrumentCarryingAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 55 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482949/835-30-55-8Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(f)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.12-04(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-3Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 5: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69B -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69BReference 6: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69C -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69CReference 7: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69E -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69EReference 8: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 69F -Publisher FASB -URI https://asc.fasb.org/1943274/2147481568/470-20-55-69FReference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 11: http://www.xbrl.org/2003/role/exampleRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1B -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1BReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1E -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1EReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 23: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1F -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1FReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1I -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1IReference 26: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 27: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1 + Details Name: us-gaap_DebtInstrumentLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionRepresents the aggregate of total long-term debt, including current maturities and short-term debt. + ReferencesNo definition available. + Details Name: us-gaap_DebtLongtermAndShorttermCombinedAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount, after accumulated amortization, of debt issuance costs. Includes, but is not limited to, legal, accounting, underwriting, printing, and registration costs. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-1AReference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482925/835-30-45-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 835 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482900/835-30-50-1Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1D + Details Name: us-gaap_DeferredFinanceCostsNet Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionAmount, after deduction of unamortized premium (discount) and debt issuance cost, of long-term debt. Excludes lease obligation. + 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://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 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-03(16)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-S99-1Reference 4: http://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 5: 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 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 1D -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-1DReference 7: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 944 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-03(a)(16)(a)(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478777/944-210-S99-1Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481139/470-20-50-4 + Details Name: us-gaap_LongTermDebt Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - Details Name: us-gaap_DebtInstrumentAxis=aspn_TermLoanMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 57 R51.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Additional Information (Detail) - USD ($) $ in Millions 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2024 Sep. 30, 2023 Commitments And Contingencies [Line Items] Â Â Â Â Â Charge recognized in cost of revenues for inventory obsolescence and impairment of equipment Â Â $ 6.8 Â Â Contractual recoverable, net Â Â $ 1.9 Â Â Reimbursement received from cost of revenues for inventory obsolescence and impairment of equipment Â $ 4.2 Â Â Â Inventory obsolescence $ 2.2 Â Â Â Â Purchase commitments Â Â Â $ 240.0 Â Capital commitments Â Â Â $ 175.3 Â Purchase commitments spent over period Â Â Â 3 years Â Thermal Barrier [Member] Â Â Â Â Â Commitments And Contingencies [Line Items] Â Â Â Â Â Warranty reserves Â Â Â $ 1.1 $ 0.2 Energy Industrial [Member] Â Â Â Â Â Commitments And Contingencies [Line Items] Â Â Â Â Â Standard product warranty period Â Â Â 1 year Â Cloud Computing Agreement [Member] | Payroll Services Agreement [Member] Â Â Â Â Â Commitments And Contingencies [Line Items] Â Â Â Â Â Adjusted amortization period 5 years Â Â 5 years Â Thermal Barrier Contracts [Member] | General Motors Â Â Â Â Â Commitments And Contingencies [Line Items] Â Â Â Â Â Purchase commitment, description Â Â Â While General Motors has agreed to

purchase its requirement for Barriers from the Company for locations to be designated from time to time by General Motors, it has no obligation to purchase any minimum quantity of Barriers under the Contracts. Â  X - DefinitionCharge recognized in cost of revenues for inventory obsolescence and impairment of equipment. + ReferencesNo definition available. + Details Name: aspn_ChargeRecognizedInCostOfRevenuesForInventoryObsolescenceAndImpairmentOfEquipment Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCommitments and contingencies. + ReferencesNo definition available. + Details Name: aspn_CommitmentsAndContingenciesLineItems Namespace Prefix: aspn_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionContractual recoverable amount. + ReferencesNo definition available. + Details Name: aspn_ContractualRecoverableAmount Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCost of revenues for inventory obsolescence and impairment of equipment. + ReferencesNo definition available. + Details Name: aspn_CostOfRevenuesForInventoryObsolescenceAndImpairmentOfEquipment Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionReimbursement received from cost of revenues for inventory obsolescence and impairment of equipment. + ReferencesNo definition available. + Details Name: aspn_ReimbursementReceivedFromCostOfRevenuesForInventoryObsolescenceAndImpairmentOfEquipment Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionStandard product warranty period. + ReferencesNo definition available. + Details Name: aspn_StandardProductWarrantyPeriod Namespace Prefix: aspn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionAmortization period of cost capitalized in obtaining or fulfilling contract with customer, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -SubTopic 40 -Topic 340 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479483/340-40-50-2 + Details Name: us-gaap_CapitalizedContractCostAmortizationPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionAmount of funds committed to investment company from investors. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 50 -Paragraph 25 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478494/946-205-50-25 + Details Name: us-gaap_InvestmentCompanyCommittedCapital Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionThe minimum amount the entity agreed to spend under the long-term purchase commitment. + ReferencesNo definition available. + Details Name: us-gaap_LongTermPurchaseCommitmentAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionPeriod covered by the long-term purchase commitment, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days. + ReferencesNo definition available. + Details Name: us-gaap_LongtermPurchaseCommitmentPeriod Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionExcluding long-term commitments, description of arrangements in which the entity has agreed to expend funds to procure goods or services from one or more suppliers, which may include identification of the goods or services to be purchased, identity of the seller, pricing, effects on pricing (such as penalties) of failing to reach minimum quantities required to be purchased, cancellation rights, and termination provisions. + ReferencesReference 1: 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(17)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478546/942-210-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(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1 + Details Name: us-gaap_SignificantPurchaseCommitmentDescription Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of increase (decrease) in the standard product warranty accrual. Excludes extended product warranties. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 460 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482425/460-10-50-8 + Details Name: us-gaap_StandardProductWarrantyAccrualPeriodIncreaseDecrease Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_StatementBusinessSegmentsAxis=aspn_ThermalBarrierMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=aspn_EnergyIndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SupplyCommitmentAxis=aspn_CloudComputingAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=aspn_PayrollServicesAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_SupplyCommitmentAxis=aspn_ThermalBarrierContractsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_CounterpartyNameAxis=aspn_GeneralMotorsLlcMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 58 R52.htm IDEA: XBRL DOCUMENT v3.24.3 Commitments and Contingencies - Summary of Capitalized Implementation Costs are Classified on the Consolidated Balance Sheets (Detail) - USD ($) $ in Thousands 9 Months Ended 12 Months Ended Sep. 30, 2024 Dec. 31, 2023 Commitments and Contingencies Disclosure [Abstract] Â  Â  Cloud computing costs included in other current assets $ 780 $ 420 Cloud computing costs included in other assets 2,691 1,590 Amortization of cloud computing costs (578) (662) Total capitalized cloud computing costs $ 2,893 $ 1,348 X - DefinitionAmortization of cloud computing costs. + ReferencesNo definition available. + Details Name: aspn_AmortizationOfCloudComputingCosts Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionCloud computing costs included in other assets. + ReferencesNo definition available. + Details Name: aspn_CloudComputingCostsIncludedInOtherAssets Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionCloud computing costs included in other current assets. + ReferencesNo definition available. + Details Name: aspn_CloudComputingCostsIncludedInOtherCurrentAssets Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionTotal capitalized cloud computing costs. + ReferencesNo definition available. + Details Name: aspn_TotalCapitalizedCloudComputingCosts Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_CommitmentsAndContingenciesDisclosureAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 59 R53.htm IDEA: XBRL DOCUMENT v3.24.3 Leases and sale and leaseback - Additional Information (Detail) - USD ($) $ in Millions 1 Months Ended 9 Months Ended Sep. 30, 2024 Jan. 31, 2024 Sep. 30, 2024 Sep. 30, 2023 Lessee Lease Description [Line Items] Â  Â  Â  Â  Operating lease expiry year Â  Â  2034 Â  Operating lease cost Â  Â  $ 4.3 $ 4.2 Cash payments related to operating lease liabilities Â  Â  $ 4.0 $ 3.6 Operating lease, weighted average remaining lease term 7 years 9 months 18 days Â  7 years 9 months 18 days Â  Operating lease, weighted average discount rate, percent 12.00% Â  12.00% Â  Sale and leaseback equipment value $ 10.0 $ 5.0 $ 10.0 Â  Sale and leaseback arrangement date September 2024 January 2024 September 2024 Â  Operating real estate lease liability payments not yet commenced Â  Â  $ 0.3 Â  Operating real estate lease liability payments not yet commenced, term Â  Â  5 years Â  Sale and leaseback transaction one-time cash payment Â  $ 5.0 Â  Â  Outstanding finance obligation $ 14.1 Â  $ 14.1 Â  Sale and leaseback rent payment term 3 years 3 years Â  Â  X - DefinitionLessee operating real estate lease liability not yet commenced term of contract1 + ReferencesNo definition available. + Details Name: aspn_LesseeOperatingRealEstateLeaseLiabilityNotYetCommencedTermOfContract1 Namespace Prefix: aspn_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionLessee operating real estate lease liability payments not yet commenced. + ReferencesNo definition available. + Details Name: aspn_LesseeOperatingRealEstateLeaseLiabilityPaymentsNotYetCommenced Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionOperating lease expiry year. + ReferencesNo definition available. + Details Name: aspn_OperatingLeaseExpiryYear Namespace Prefix: aspn_ Data Type: xbrli:gYearItemType Balance Type: na Period Type: duration X - DefinitionOutstanding finance obligation. + ReferencesNo definition available. + Details Name: aspn_OutstandingFinanceObligation Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionSale and leaseback transaction one time cash payment. + ReferencesNo definition available. + Details Name: aspn_SaleAndLeasebackTransactionOneTimeCashPayment Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7A -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-7AReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-3 + Details Name: us-gaap_LesseeLeaseDescriptionLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseCost Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAmount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 5 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-5Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeasePayments Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - DefinitionWeighted average discount rate for operating lease calculated at point in time. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(4) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageDiscountRatePercent Namespace Prefix: us-gaap_ Data Type: dtr-types:percentItemType Balance Type: na Period Type: instant X - DefinitionWeighted average remaining lease term for operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 55 -Paragraph 53 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479589/842-20-55-53Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4 + Details Name: us-gaap_OperatingLeaseWeightedAverageRemainingLeaseTerm1 Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: instant X - DefinitionThe date of the transaction involving the sale of the property to another party and the lease of the property back to the seller. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481295/840-40-50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-1 + Details Name: us-gaap_SaleLeasebackTransactionDate Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionLease term for sale and leaseback transaction, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2 + Details Name: us-gaap_SaleLeasebackTransactionLeaseTerm Namespace Prefix: us-gaap_ Data Type: xbrli:durationItemType Balance Type: na Period Type: duration X - DefinitionThe net book value of the asset(s) sold in connection with the sale of the property to another party and lease back to the seller. + ReferencesReference 1: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 50 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-50Reference 2: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 52 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-52Reference 3: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 840 -SubTopic 40 -Name Accounting Standards Codification -Section 55 -Paragraph 51 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481266/840-40-55-51Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479741/842-40-50-2 + Details Name: us-gaap_SaleLeasebackTransactionNetBookValue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant XML 60 R54.htm IDEA: XBRL DOCUMENT v3.24.3 Leases and sale and leaseback - Summary of Maturities of Operating Lease Liabilities (Detail) $ in Thousands Sep. 30, 2024 USD ($) Leases [Abstract] Â  2024 (excluding the nine months ended September 30, 2024) $ 1,523 2025 6,110 2026 5,598 2027 4,695 2028 4,599 Thereafter 19,338 Total lease payments 41,863 Less imputed interest (14,940) Total lease liabilities $ 26,923 X - DefinitionLessee operating lease liability payments due after year four. + ReferencesNo definition available. + Details Name: aspn_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - ReferencesNo definition available. + Details Name: us-gaap_LeasesAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach). + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name

Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year. + ReferencesReference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionAmount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-6 + Details Name: us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant X - DefinitionPresent value of lessee's discounted obligation for lease payments from operating lease. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 842 -SubTopic 20 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479041/842-20-45-1 + Details Name: us-gaap_OperatingLeaseLiability Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: instant XML 61 R55.htm IDEA: XBRL DOCUMENT v3.24.3 Stock Based Compensation - Additional Information (Detail) $ in Millions 9 Months Ended Sep. 30, 2024 USD ($) shares Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Unamortized stock compensation costs | $ $ 2.2 Equity Incentive Plan [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Shares reserved for issuance | shares 5,012,394 Number of shares either issued or reserved in connection with statutory tax withholdings | shares 6,609,298 Equity Incentive Plan [Member] | Restricted Stock Units [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Stock-based awards granted to purchase common stock | shares 242,279 Stock-based awards granted to purchase common stock, grant date fair value | $ $ 4.0 Stock-based award vesting period 3 years Equity Incentive Plan [Member] | Non-Qualified Stock Options [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Stock-based awards granted to purchase common stock | shares 569,301 Stock-based awards granted to purchase common stock, grant date fair value | $ $ 6.4 Stock-based award vesting period 3 years 2023 Equity Plan [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Increased number of shares available for grant | shares 2,180,098 General and Administrative Expenses [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Unamortized stock compensation costs | $ $ 2.0 Research and Development Expenses [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Unamortized stock compensation costs | $ $ 0.2 Non-Employee Directors [Member] | 2023 Equity Plan [Member] | Restricted Stock Units [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Stock-based awards granted to purchase common stock | shares 13,264 Stock-based awards granted to purchase common stock, grant date fair value | $ $ 0.4 Stock-based award vesting period 1 year Non-Employee Directors [Member] | 2023 Equity Plan [Member] | Non-Qualified Stock Options [Member] Â  Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Â  Stock-based awards granted to purchase common stock | shares 11,618 Stock-based awards granted to purchase common stock, grant date fair value | $ $ 0.2 Stock-based award vesting period 1 year X - DefinitionShare-based compensation arrangement by share-based payment award, number of shares issued or reserved for issuance. + ReferencesNo definition available. + Details Name: aspn_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesIssuedOrReservedForIssuance Namespace Prefix: aspn_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant X - DefinitionShare based compensation arrangement by share based payment award option aggregate fair value. + ReferencesNo definition available. + Details Name: aspn_ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionAggregateFairValue Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: instant X - DefinitionUnamortized stock-based compensation costs. + ReferencesNo definition available. + Details Name: aspn_UnamortizedStockBasedCompensationCosts Namespace Prefix: aspn_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionAggregate number of common shares reserved for future issuance. + 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_CommonStockCapitalSharesReservedForFutureIssuance Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant 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 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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 - DefinitionThe difference between the maximum number of shares (or other type of equity) authorized for issuance under the plan (including the effects of amendments and adjustments), and the sum of: 1) the number of shares (or other type of equity) already issued upon exercise of options or other equity-based awards under the plan; and 2) shares (or other type of equity) reserved for issuance on granting of outstanding awards, net of cancellations and forfeitures, if applicable. + 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_ShareBasedCompensationArrangementByShareBasedPaymentAwardNumberOfSharesAvailableForGrant Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: instant 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 - Details Name: us-gaap_PlanNameAxis=aspn_EquityIncentivePlanMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AwardTypeAxis=aspn_NonQualifiedStockOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PlanNameAxis=aspn_TwentyTwentyThreeEquityPlanMember 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: X - Details Name: us-gaap_IncomeStatementLocationAxis=us-gaap_ResearchAndDevelopmentExpenseMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_TitleOfIndividualAxis=aspn_NonEmployeeDirectorsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 62 R56.htm IDEA: XBRL DOCUMENT v3.24.3 Stock Based Compensation - Summary of Stock Based Compensation Included in Cost of Revenue or Operating Expenses (Detail) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Â Â Â Â Total stock-based compensation $ 2,630 $ 2,789 $ 10,307 $ 7,766 Cost of Product Revenue [Member] Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Â Â Â Â Total stock-based compensation 186 93 545 420 Research and Development Expenses [Member] Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Â Â Â Â Total stock-based compensation 188 255 891 510 Sales and Marketing Expenses [Member] Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Â Â Â Â Total stock-based compensation 456 378 1,241 1,110 General and Administrative Expenses [Member] Â Â Â Â Share-based Compensation Arrangement by Share-based Payment Award, Compensation Cost [Line Items] Â Â Â Â Total stock-based compensation $ 1,800 $ 2,063 $ 7,630 $ 5,726 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=us-gaap_CostOfSalesMember 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=us-gaap_SellingAndMarketingExpenseMember 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 63 R57.htm IDEA: XBRL DOCUMENT v3.24.3 Net Income (Loss) Per Share - Computation of Basic and Diluted Net Income (Loss) Per Share (Detail) - USD ($) $ / shares in Units, $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Numerator: Â Â Â Â Â Â Â Â Net Income (Loss) $ (12,970) $ 16,818 $ (1,835) $ (13,073) $ (15,423) $ (16,796) $ 2,013 $ (45,292) Denominator: Â Â Â Â Â Â Â Â Weighted average shares outstanding, basic 76,261,294 Â Â 69,317,805 Â Â 76,402,123 69,243,843 Weighted average shares outstanding, diluted 76,261,294 Â Â 69,317,805 Â Â 79,149,193 69,243,843 Net income (loss) per share, basic $ (0.17) Â Â $ (0.19) Â Â $ 0.03 $ (0.65) Net income (loss) per share, diluted $ (0.17) Â Â $ (0.19) Â Â $ 0.03 $ (0.65) 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 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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 - ReferencesNo definition available. + Details Name: us-gaap_EarningsPerShareBasicOtherDisclosuresAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType 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 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-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 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_EarningsPerShareDiluted Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: duration X - DefinitionThe portion of profit or loss for the period, net of income taxes, which is attributable to the parent. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-6Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 9 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-9Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 805 -SubTopic 60 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147476176/805-60-65-1Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 740 -SubTopic 323 -Name Accounting Standards Codification -Section 65 -Paragraph 2 -Subparagraph (g)(3) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478666/740-323-65-2Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482765/220-10-50-6Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-3Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-1Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 65 -Paragraph 1 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480175/815-40-65-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 8 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-8Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 11 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-11Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 250 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483443/250-10-50-4Reference 17: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-10Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section 45 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479105/946-220-45-7Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 944 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.7-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477250/944-220-S99-1Reference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(9)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1Reference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(1)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 23: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 24: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 25: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 26: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 27: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 28: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 29: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 30: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 31: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 32: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 60B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-60BReference 33: http://www.xbrl.org/2003/role/disclosureRef -Topic 205 -SubTopic 20 -Name Accounting Standards Codification -Section 50 -Paragraph 7 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483499/205-20-50-7Reference 34: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28Reference 35: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1A -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1AReference 36: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 1B -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482790/220-10-45-1BReference 37: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 942 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.9-04(22)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478524/942-220-S99-1 + Details Name: us-gaap_NetIncomeLoss Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: credit Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_NetIncomeLossAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - DefinitionThe average number of shares or units issued and outstanding that are used in calculating diluted EPS or earnings per unit (EPU), determined based on the timing of issuance of shares or units in the period. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482662/260-10-50-1Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 260 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 16 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482689/260-10-45-16 + Details Name: us-gaap_WeightedAverageNumberOfDilutedSharesOutstanding Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - 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 64 R58.htm IDEA: XBRL DOCUMENT v3.24.3 Net Income (Loss) Per Share - Summary of Potentially Dilutive Common Shares Excluded from Computation of Diluted Net Loss Per Share (Detail) - shares 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2023 Sep. 30, 2024 Sep. 30, 2023 Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Anti-dilutive Securities 5,025,659 10,782,071 113,681 10,782,071 Common Stock Options [Member] Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Anti-dilutive Securities 4,453,006 5,462,015 110,900 5,462,015 Restricted Common Stock Units

[Member] Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Anti-dilutive Securities 559,389 568,469 1,957 568,469 Restricted Common Stock Awards [Member] Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Anti-dilutive Securities 13,264 889,366 824 889,366 Convertible Note If Converted [Member] Â Â Â Â Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Â Â Â Â Anti-dilutive Securities 0 3,862,221 0 3,862,221 X - DefinitionSecurities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented. + 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/1943274/2147482662/260-10-50-1 + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionLine items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table. + ReferencesNo definition available. + Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=aspn_CommonStockOptionsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_RestrictedStockUnitsRSUMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=us-gaap_RestrictedStockMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis=aspn_ConvertibleNoteIfConvertedMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 65 R59.htm IDEA: XBRL DOCUMENT v3.24.3 Income Taxes - Additional Information (Detail) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Sep. 30, 2024 Income Taxes [Line Items] Â Â Income tax expense $ 267 $ 1,889 Mexican Maquiladora Operations [Member] Â Â Income Taxes [Line Items] Â Â Income tax expense $ 300 $ 1,900 X - DefinitionIncome taxes. + ReferencesNo definition available. + Details Name: aspn_IncomeTaxesLineItems Namespace Prefix: aspn_ 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 - Details Name: srt_ConsolidatedEntitiesAxis=aspn_MexicanMaquiladoraOperationsMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 66 R60.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information - Additional Information (Detail) 9 Months Ended Sep. 30, 2024 Segment Segment Reporting [Abstract] Â Number of reportable segments 2 X - DefinitionNumber of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements. + ReferencesReference 1: 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 2: 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 3: 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_NumberOfReportableSegments Namespace Prefix: us-gaap_ Data Type: xbrli:integerItemType Balance Type: na Period Type: duration X - ReferencesNo definition available. + Details Name: us-gaap_SegmentReportingAbstract Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration XML 67 R61.htm IDEA: XBRL DOCUMENT v3.24.3 Segment Information - Summary of Revenue and Segment Operating Profit (Detail) - USD ($) $ in Thousands 3 Months Ended 9 Months Ended Sep. 30, 2024 Jun. 30, 2024 Mar. 31, 2024 Sep. 30, 2023 Jun. 30, 2023 Mar. 31, 2023 Sep. 30, 2024 Sep. 30, 2023 Dec. 31, 2023 Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Revenue $ 117,340 Â Â $ 60,755 Â Â $ 329,611 $ 154,499 Â Segment Operating Profit (Loss) 49,043 Â Â 13,810 Â Â 135,764 27,303 Â Corporate expenses 31,643 Â Â 28,444 Â Â 95,942 77,889 Â Operating profit (loss) 17,400 Â Â (14,634) Â Â 39,822 (50,586) Â Other (expense) income, net (30,103) Â Â 1,561 Â Â (35,920) 5,294 Â Income tax expense (267) Â Â Â Â Â Â (1,889) Â Â Net Income (Loss) (12,970) $ 16,818 $ (1,835) (13,073) $ (15,423) $ (16,796) 2,013 (45,292) Â Total assets 782,587 Â Â Â Â Â Â 782,587 Â $ 703,048 Construction in Progress [Member] Â Â Â Â Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Total assets 344,041 Â Â Â Â Â Â 344,041 Â 314,678 All Other Corporate Assets [Member] Â Â Â Â Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Total assets 168,389 Â Â Â Â Â Â 168,389 Â 176,637 Operating Segment Â Â Â Â Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Total assets 270,157 Â Â Â Â Â Â 270,157 Â 211,733 Operating Segment | Energy Industrial [Member] Â Â Â Â Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Revenue 26,776 Â Â Â 27,912 Â Â 92,781 97,311 Â Segment Operating Profit (Loss) 10,733 Â Â 5,825 Â Â 37,750 24,246 Â Total assets 97,575 Â Â Â Â Â 97,575 Â 93,168 Operating Segment | Thermal Barrier [Member] Â Â Â Â Â Â Â Â Â Segment Reporting Information [Line Items] Â Â Â Â Â Â Â Â Â Revenue 90,564 Â Â 32,843 Â Â 236,830 57,188 Â Segment Operating Profit (Loss) 38,310 Â Â $ 7,985 Â Â 98,014 $ 3,057 Â Total assets $ 172,582 Â Â Â Â Â $ 172,582 Â $ 118,565 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 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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 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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 - 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 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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 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 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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 - 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 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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 - 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 - 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 - 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: us-gaap_PropertyPlantAndEquipmentByTypeAxis=us-gaap_ConstructionInProgressMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_PropertyPlantAndEquipmentByTypeAxis=aspn_AllOtherCorporateAssetsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: srt_ConsolidationItemsAxis=us-gaap_OperatingSegmentsMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=aspn_EnergyIndustrialMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_StatementBusinessSegmentsAxis=aspn_ThermalBarrierMember Namespace Prefix: Data Type: na Balance Type: Period Type: XML 68 R62.htm IDEA: XBRL DOCUMENT v3.24.3 Subsequent Events - Additional Information (Detail) - USD ($) $ / shares in Units, $ in Millions 1 Months Ended Oct. 31, 2024 Sep. 30, 2024 Dec. 31, 2023 Subsequent Event [Line Items] Â Â Â Common stock, shares issued Â 77,155,896 76,503,151 Subsequent Event [Member] | Underwriting Agreement [Member] Â Â Â Subsequent Event [Line Items] Â Â Â Common stock, shares issued 4,887,500 Â Â Â Purchase of additional shares of common stock 637,500 Â Â Â Price to the public per share $ 20 Â Â Â Proceeds from offering, net $ 93.2 Â Â Â - 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 - DefinitionCash received on stock transaction after deduction of issuance costs. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockConsiderationReceivedOnTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:monetaryItemType Balance Type: debit Period Type: duration X - DefinitionThe number of shares issued or sold by the subsidiary or equity method investee per stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockNumberOfSharesIssuedInTransaction Namespace Prefix: us-gaap_ Data Type: xbrli:sharesItemType Balance Type: na Period Type: duration X - DefinitionPer share amount received by subsidiary or equity investee for each share of common stock issued or sold in the stock transaction. + ReferencesNo definition available. + Details Name: us-gaap_SaleOfStockPricePerShare Namespace Prefix: us-gaap_ Data Type: dtr-types:perShareItemType Balance Type: na Period Type: instant X - DefinitionDetail information of subsequent event by type. User is expected to use existing line items from elsewhere in the taxonomy as the primary line items for this disclosure, which is further associated with dimension and member elements pertaining to a subsequent event. + ReferencesReference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 830 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481674/830-30-50-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 855 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483399/855-10-50-2 + Details Name: us-gaap_SubsequentEventLineItems Namespace Prefix: us-gaap_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration X - Details Name: us-gaap_SubsequentEventTypeAxis=us-gaap_SubsequentEventMember Namespace Prefix: Data Type: na Balance Type: Period Type: X - Details Name: us-gaap_TypeOfArrangementAxis=aspn_UnderwritingAgreementMember Namespace Prefix: Data Type: na Balance Type: Period Type: EXCEL 69 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4$L#!!0 ( ,J#9UD'04UB@0 +$ 0 9&]C4')O<',O87!P+GAM M;$V./0L",1!$_\QO;=!P4)B0-!2L+(/>QLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*1#BV&5(_C(I(/ !47BK9.7:=N')=HI6-Y #OGDK7A.YNJQ<&4GPZ4A!0W_J=0U[R;UEA_6\#MI7E!+ P04 M " #*@V=9;9<.?\ K @ $0 &1O8U!R;W!S+V-O&ULS9)1 M2\,P$,>_BN2]O:05Q=#U9<,G!<&!XEM(;EM8TX3DI-VW-ZU;A^@'\#%W__SN M=W"-#E+[B" 1!XQD,=V,KNN3U&'%#D1! B1]0*=2F1-];NY\=(KR,^XA*'U4 M>X2*\SMP2,HH4C !B[ 06=L8+75$13Z>\48O^/ 9NQEF-&"'#GM*($H!K)TF MAM/8-7 %3##"Z-)W ']^>IW7+6R? M2/4:\Z]D)9T"KMAE\EN]WFP? 65OQZK80HN#WVTK(FO^\#&Y_O"["CMO[,[^ M8^.+8-O KB[MHOP!02P,$% @ RH-G69E&UL[5I;<]HX%'[OK]!X9_9M"\8V@;:T$W-I=MNTF83M B^%&$5B-;'EDD81_OTV23;J;/ 0LZ?O.14? GZ#AY\^XN8NB&B)3R M> +]O6N[!3+ MUES@6QHO(];JM-O=5H1I;*$81V1@?5XL:$#05%%:;U\@M.4?,_@5RU2-9:,! M$U=!)KF(M/+Y;,7\VMX^9<_I.ATR@6XP&U@@?\YOI^1.6HCA5,+$P&IG/U9K MQ]'"(""R7V4!;I)]J/3%0@R#3LZG5C.=GSVQ.V?C,K:=#1M&N#C\7@XMLO2 MBW A(5M>5 TR M6'!VULS2 Y>*?IUE!K9';O=05SP6.XYB1'^QL4$UFG2&98T1G*=D 4. #?$ MT4Q0?*]!MHK@PI+27)#6SRFU4!H(FLB!]4>"(<7K;YH] M5Z%82=J$^!!&&N*<<^9ST6S[!Z5&T?95O-RCEU@5 9<8WS2J-2S%UGB5P/&M MG#P=$Q+-E L&08:7)"82]3E^34@3_BNEVOZKR2.FJW"$2M"/F(9 M-AIRM1:!MG&IA&!:$L;1>$[2M!\6:PUDSY@R.S-D77.UI$.$9)>-T(^8LZ+ MD!& _'H8X2IKMHG%8!/V>7L-)P>B"RV;]N'Z&U3-L+([W1]072N0/]< _Z3(T M!Z.:60F]Ä%9JGZ]'-#ZH'C(*!?&Y'C[E>G@*-Y;&O%"N@GL! ]':-*K^(+ M.7\N?<^E[[GT/:'2MSAD6R4)RU3393>* M$IY"&V[I4_5*E=?EK[DHN#Q;Y.FOH70^+,_Y/%_GM,T+,T.WF)&Y M"M-2D&_#^>G%>!KB.=D$N7V85VWGV-'1^^?!4;"C[SR6'<>(\J(A[J&&F,_#M0X=Y>U^89Y7&4#04;6RL)"Q&MV"XU_$L%.!D8"V@!X.O40+R4E5@,5O& RN0 MHGQ,C$7H<.>77%_CT9+CVZ9EM6ZO*7<9;2)2.<)IF!-GJ\K>9;'!51W/55OR ML+YJ/;053L_^6:W(GPP13A8+$DACE!>F2J+S&5.^YRM)Q%4XOT4SMA*7&+SC MYL=Q3E.X$G:V#P(RN;LYJ7IE,6>F\M\M# DL6XA9$N)-7>W5YYNTB42%(JP# 4A M%W+C[^^3:G>,U_HL@6V$5#)DU1?*0XG!/3-R0]A4)?.NVB8+A=OB5,V[&KXF M8$O#>FZ=+2?_VU[4/;07/4;SHYG@'K.' MYA,L0Z1^P7V*BH 1JV*^NJ]/^26<.[1[\8$@F_S6VZ3VW> ,?-2K6J5D*Q$_ M2P=\'Y(&8XQ;]#1?CQ1BK::QK<;:,0QY@%CS#*%F.-^'19H:,]6+K#F-"F]! MU4#E/]O4#6CV#30,9FV-J/D3@H\W/[O#;#"Q([A[8N_ 5!+ P04 M" #*@V=9(;]%+O,% #+'P &'AL+W=OOKC/*[5Z=WGG>NFWGVNF+"%&9 T)#T/7; M-P$$]R;\]9AC7ZR /(_Y)2Y0L8'QK\D.TH%>@F#*+GO[(2(WQA&XNYH2)); M%M-(?E-Ä/"1"GO*MD<2<$B\3A8&!37-@A,2/.I-Q=FW))V.6BL"/Z)*C) U# MPH\S&K##?,R3@F6[JBXH]XR>694;IX?DBCQ&<1XG1SWYE: M;QS;5H+LCC]]>DC.CI%"63/V19W,O?N.J4I$ ^H*94'DQYXZ- B4DRS'?X5I MI_Q-)3P_/KD_9O 29DT2ZK#@+]\3N_O.L(,\NB%I()[8X3=: /65G\N")/N/ M#OF]O5X'N6DB6%B(90E"/\H_R4M1$>><"NT: "P'^2F#5_8)=*+:,_*295AO MB2"3,6<'Q-7=TDT=9'63J26-'ZEF7 DNO_6E3DS>,C>5K2(0B3ST$ E?'-$\ MRKN'JN8N2G:$TV1L"/EK2F.XA?,L=\8USB/T@45BETA7CWJO]88L95E4?"KJ M#(.&*QK?(MN\0=C$/4UY'%B^8/M;9-[IY*^*8Y=^0CF%"^IYW)3S]8 _-7'=ŸW,GL%VRMA>Y![ MU4V>CS'5D<)RR^Q^TB&!JH9(_1*I#Y9I*GF\C.DQ(%L=$ZS?D"#1584#RAI" M#4JHP77MM*3<9^J)]I <%[1-!CN53UOMXP;J&W+>E9QWUW$^^HE+ O29$HX>MY47M0 5[U?&!JH9\PY)O^$U\17/6$L)NGVP='ZAIR#Z]=6D()MO04+MLW?!2.(}+-#T MX>GCNX?WJQLT7SBW.ES8IBGO67:PKN%U9$?ELI/.Y43_@GZG1RTQ;&6:IF7U M^J/A0,L)BIMRXHH3@X5S4LZ_'FR@D?6"7;=KX:YM:4%!95/0*M)88(@X->BC M'\AHXTBZ+>/ZUH1]JXK@SJ7!EYNIF5M(!!85:*QX$Q2L*Y"$@1HEB;RZT0? M2PX MJ9Q&(1:&C.ZQ=\[>1@'"5@/!5 M"6CJ>=(]N3D=H/?R/O0QTJ:#"Y:V*6,^7\O!ZXD13\O<1AK"51K"<'P!F9V M3,L,6\Y2\C6 S,M;QNA"%>A"%\5BDI>-> 12Q#A:I-@(2K@(2A@-2UHY33DD]&&S0-X=:K#;> .$J M$V$XP;QGV9N1'8N@R?2"R6!D=2WYI^5K(POA*@OAJ[+0/!*4Y[L=:L%)3B%0 M"PL[UF0^6-64LPI%^,*[(%_(.,0VR,(_KW]!*^JF7()K^6"GUTN 6*[2]R1( M*?K1O#75"P84RV5MMI^AK88VHI-=12<;SCDG;O3PXNY(M*6U+X\N&"T^KQZT M^P=M1"6[BDKV55%'KF,R]5+E@&K)/E.'I9'@Q]HAZH+[6SUR&TG)KI*2#<>: M\BWNIY1P^10'QV+EI@6$O01/M;T6EC5%/-L$@X-,M3'$293X6=0'&&&SVF4 MK/M62.-LNU2]'KF2H(!NI-2\ MO9,S/<]WCO,3P>)L\W7-A&!A=KBCQ*-1%QP8 #P= 8 >&PO=V]R:W-H965T&ULK5G;MLX$/T5PAL4+>#$(JEKFAAH$Q1;8"]!TNX^TS(="Y%$5:2<9K]^ MA[1BV1+%M&X")-%E.#PS).<<4A>/HGZ0:\X5^E[DI;R29 MJ'@);U:B+IB"V_I^)JN:LZ5I5.0SXGGAK&!9.9E?F&-=*A+(1XT#>?EY<33R/B.4^5=L'@WX9?\3S7G@#' MM];I9->G;KA__>S]DPD>@EDPR:]$_F^V5.O+23Q!2[YB3:YNQ>/OO THT/Y2 MD4OS%SVVMMX$I8U4HF@; X(B*[?_V?U>$2UM@9O^L+DQK2&:+)2#^.=JN%M!NW4_$J44N39DBF^1!]9SLJ4 MHSOM3J)3]/7N&KT]>8=.4%:B+VO12%8NY<5,0<^Z_2QM>_FX[86,]'+'JS-$MO2DB'O$MS:_>UMTK^3L(%:ZBY6ZO,^OF%PC@ MZ@O^KN*$-\6,[LF"'+' B^Y"FHH&40=U*.>1OD?,I M*]'&BA5B.51"O6JDOCN)D]AD^X10SQ9!,$"'<8"3?H:'9F&2)($]C' 71N@, MXW.Y@8$7=<:M@Q\.^0OC7T=Q@&QH11.\-T,.D$4[9)$3V4W-*Y8M$?\.]"0A ME3J%0JUY#35P?ZW:<$?# 4^HWY\60RL2&Y0/JU>IJB"LJ[,KG5=: "-E9F'ML@)\/9$. @ M[$]4BQF."(GLD+'7T9+G!/TW0&8J*^]1SH&E4:WI^%2L3ANX&4]TZ_4@A1Z- M: ^UQ0Q08S*">H],L1NUF;*Y*.]/%:\+%U!L66V#0FNQ@MR.5#/P\ZHV56]QQ%]8_1-!YQA99GBFH6%:6QD[N^UF:?BUO MAT%W](?= _+=CF8H]:8JQ!CQD-Y^0N%^D+68!JO:H\A!BQX/X12*L&[]5:2O$ M(7>1,-@K8BU$BQF)\4BMPQW'83?)??,5A\FS!*X&MFOL61R2&/&]H(_08D7Q M"&/@CNJPF^L^9:41V6+19_?,[&5@-X8DJ#)3FDV]6[#T :F:E9*9[8X]TT-. MHY#I?AA.,?.ZHXAL9LB^X5\;TE;8[)0)8X'DV=HA>-H;'IW1(G=3/D'%&YD M"O>2+Q3L?YZ9O1*U'@4KX"$#DI $@Q7I[/G(42 =G1(WG1X*E1?&@%C8T0,E MV(_)8A?%WIA*)1V+$C>+WO*-R#=FRL ;+:M36-"95:80"X^2B/;7LKO'8]._ MM]]T$^[AQ++&,:32A(917\6Z^SDVCHZ7R0N;20%;"%@*P$ZH%(K#$JEY;LX. M*@82TQK9JW)TZ^UP^4GR8AT(QW[$C?['E>6.ZUG#7U(P["0XK[L=R,[=E [ M4B=N4G=4Z!?"LU XC7S2#\]BAA-OA$A)Q_3$S?3;FO92+;.0>.0GM"JE;79Z M7HV<:9".[HF;[J]$461*;[6VN]I4E#K7O$QU?M_^I5=1\LX* 0CB1M8U\^N. M#H/OR) $3AU_IT3ZL!;YDM?RS6\QP=%[L_543_9#-Z>4^.E2\4K>#F/OQ 1Y M:=0]K$2ESEL(4G7AG'OQ@72K1AN4-?X^"*3S1OTBN6:T//AJU%G7V'U_"SEP\M/\VDU++;G(HT2BJXT.N5*73'*\6+!>PZGX]7C=4U3]NGUE/3-MU':!+[!/MU M1X=GFYVNH6Y=HU<75&I'AD&*N7(<15,HG :>!0>X==+_10X4E;< M?*_(K11)AT*JK[6<)H?)ZW06=>NL#TL05GOBG^R^C[3NHNOH*%W%D$:ZNVGNNV-$I7Y MVK402HG"7*XY_#: -ZO!#!N>Z,_H.T^F,[_!U!+ P04 " #*@V=9K9H- M0#,# "O"@ & 'AL+W=OY>K'KAP$FPQF!JFZ2[OWZ/#4,A0SZF M:BX"AO.^?L[A&#P_"/FH,@!-ON>\4 LGT[J\=5V59)!3=2-**/#.5LB<:AS* MG:M*"32UHIR[@>=%;DY9X<1S>VTEX[FH-&<%K"1159Y3^>\]<'%8.+[S=.$S MVV7:7'#C>4EWL ;]I5Q)'+FM2\IR*!03!9&P73AW_NW2MP(;\1>#@^J<$Y/* M1HA', @C73B>(0(.B386% ][6 +GQ@DYOC6F3CNG$7;/G]P_V.0QF0U5L!3\M;Y;J;.%,'9+"EE9B)$@9T5]I-^; M0G0$_OB$(&@$P;6"42,8V41K,IO6 ]4TGDMQ(-)$HYLYL;6Q:LR&%>8QKK7$ MNPQU.EZ*0@G.4JHA)?>4TR(!LC9VBKQ940F%SD"SA/*WY#WYLGX@;UZ_):\)M*\B?F:@4+5(U=S62&#\W:6:]KV<-3LRZAO*&C+QW)/""\8!\>5[^ G*?2L? M]>4NYM\6(6B+$%B_T2DEC;VHBMN0#*[ (C'*R%HK97OOG;J.TQ([.I1J M[3T>]C;+\%:5-(&%@^M,@=R#$__VRH^\WX<2_T5FO3*,VC*,SKG'=QP7M6T M?#W@ DM$56 ;2$B [>F& \&G31)1V%H0JA1VR5!%ZFDB.XUYC^SCZ6PZ=_?= M1)_'!".OC>GQCUO^\5G^%;X!0$IL9%PVR>,[4E))]I17, 19>TTZ #Z\](C MS$M1/="P!0U?!JHR7&F*T$IG0K+_(!"TKCW##DKHV=\1\N6X'G340D<_ !8ZO MEFLZ=7I5IUZ*ZE'.6LK9"RBO:M/9LTH%3?\=U_2:R!ZU[_WXJGDOYS[=J8U; M%V4R\<-P.HN.F(71X^+!U%]E6O.%7HL\E)>CM9* M;+IN@(I\0SPLF19J5H^E%<^Q# M-;T06Y5G)?]0(;DMBK3Z?L5S\7 YPJ/]@8_9W5K5!R;3BTUZQV^X^KSY4.E? MDP/+,BMX*3-1HHJO+D?O\'E"HCJ@0?R9\0=Y]!W54FZ%^%K_N%Y>CKSZC'C. M%ZJF2/7'/9_Q/*^9]'E\:TE'AS'KP./O>_:?&_%:S&TJ^4SD7[*E6E^.HA%: M\E6ZS=5\? K;P7Y-=]"Y++YBQYVV(".T&(KE2C:8'T&15;N/M/'-A%' 9H' M#B!M #$#6$\ ;0/H=(;.5M+N'N4=XH_ :MU4@NSR&YX9 M9$BR^9!DR4!D)S,\'68B>]*%2)Y6BS72.[;V4/?:'&[JY@Y- M1V17GQ\;36 &@ B.C-JS09@&YE), !0A$89++SX(CIV";]*5V$ MD-;8&CNF7F!HM4$1C0S0W ;I1D&-U9@ *$9(3SO!7F?@/'=#X:5>:7FC-UUJ MBYC5.W9MOT%WYMD9#T-FRH9@?F3N+7, YA,6F+,,P)CN5Z1'^!%WQ4[IU\4F MS:K&J.C=@W_;9DUAHZWVAM53I>[F?FGK&91MWK*=5I1'S+0.-.9I]DF7?>+, M_B>A=-D)]\^#R2:6((H#:UL#8"1BC)EE9\-B/V96?FQ8&$91CUG!G4G&3L>W M=\FO<[V3OT&K2A3[+.AK)5 ]!18=\TRG!L#&F 74DF_C:!P12SY YWM^U=-Q M.DN*F7MK5VNJO+(V"^VTOP&%.\WMB]?8D&SS0=F2H=A.IZ0ST-CMH*]+Q36O MVB_"MV@ARGM>]>PVYZ@4BNMK^(KGS67^)]W4=W"Z;,M;%V!LUBD$TP[:+%, MIB\\S&T1@NF-D?54:>>SL=MH'U+RK$*U/? 88_.28 ; ,,74% Z011$U==LH MWZ=]>V)GN['32^Z;4].5DF*3B^^>?L=M _U9?L>G<\<=ZG]MF.2<@BJYZ< M [^XHSUOU&2H44_3V;ES[+;GK6]X_B9B&^:;;0K MT=@RF1 ;TYGH:52D,^ _D"?/^/-&V$QZ3P%Q'[J%>NHZ@,?&Q;VPS\W_8;]+9 M;^*VW[_S;FMKJ@E,'[%NV.F:B4/3>H(XJ&9L'/',#3"!V%PUTSEOXKX_;6E& MVGH1Z4;3XH6S(4V^G$=)<$Q'V;^BJ5V0*<@5U<=%P*WAFV M%C ,B\WRLV>F=D $YCLZ*[$JIXHD,Z($[<1=RU V_OV:;:1?9H!SABS6%_KFIHA3E#SY.A1 M?<&KN^8=":F7V+94N^>TAZ.']S#>-6\?&,>O\/D, \?G^#S9O671T>]>^GB?M5G=9*5'.5WHH[RS4IUOMWJ/8.5!BT[PH<"N4$D7S=&PO=V]R:W-H M965T&ULO9U=;]LX%H; BN =[,X DUJD1$KJ)@&F-@?;Q791 M3&=F+Q9[H=I,(E2V/)+MW=3![Z?O-Z.NT6#W)5=J^:C5RK_[EKVE79JQ_;^VFW:66YW#5: MU5,:QWRZ*JOUY/9Z][OW[>UUL^WK:BW?MU&W7:W*]NL;63>/-Q,R^?:+7ZK[ MAW[XQ?3V>E/>RP^R_VWSOE4_38]1EM5*KKNJ64>MO+N9_$1>BXP-#79'_%() MQ^[D^VBXE(]-\VGXX>WR9A(/9R1KN>B'$*7Z\EG.9%T/D=1Y_'$(.CEJ#@U/ MO_\6_>?=Q:N+^5AVMP?FR63:+'M^F9U:*S.8%6M]U_++PWUVWS&+7#T2K:\,W. 5UKY5>U'A+E M0]^J_ZU4N_YVUJR[IJZ692^7T8=>?5%9T'=14?ZUZ5^MUM;Y7?Q%U MN5[(J.R5SN)5E) ?(QI3ZC-_'Y/O8@2CQ>?;-,W2A%U//Y^:#4H/H]3K;E,N MY,U$#4.=;#_+R>U?_T)X_'>?Y:XFB3-&*3=%A7O<%:=95I#C<891R=&H),RH M'Z/NH53G/@^?]6-[6W MZT6SDM'W_VJZ[@>?QZECRQ7A66'EQPQ4"DU*S&#BX@48WK&C=PST;C>870WW MNV6D'%23@*[B_LXRRTA0-M3(,8H"2=&PD1]MY*"-O\NN M'_[ZU;U+!>_;:C&,R-WN3K%=5[WW)L7='DUR>Y0$=4-]'*,HD!0-'[.CC]GS M?/PVKOK\!$.'#]J.98U5&>&J/H9B2 BF887Q^-#X'C7_?-@LIEUUTUS:K2*XV M=?-5RH/SS>8P),AV475^\W/W3Y18J0R>06@J7]832'J&G\71SP+/3RBI09GO MI"Y6I/7=V5[G(LE7G*('8_2A+*46LD, M*X=FLT=5S5\S0@LKIST'7O$T97GFGP>0$QHC 5Z=SE\O>P9&#DW20S1CZ(UC M7JCCK4Q%U158T4S_-6J1EV"M0U C77VP!8L'IZNKZL NXN&6E-'"&4]1R0LUFL"*9OJL$8W C.;>Q3[( MCTZ*J9Y5$FU3.3 M+O= >-*EJ8O V 7>Q2[;ADE4,^(BU;EY%Z:NP(IF=H$&-0*3VKB[F$M.5T3E MIS.>8L+3'#6:N'P-9HU 4Q:%*>LI:XC4Y1B:$2O19K!P<(U@C*; TC3-U!A& M80Q[VW7;W;CI60*#U@G@L*%C 749+$T+FEL# :JHP(IF.G]2ZX(!["$EKN-0# M.+F=Q;B5KLN* DO1=%*S&879[%FKN'#L5X1VT8RFW%[R0M446-%,]S6641C+ MGKV42UUD(\P9FE%Y;8RDP)(T?=481F$,0UO2A76",]R#>H05Q$YQ3%&!%6%;2 M-,M-/%4GVTM8-]3+$8H"2]%T4I-: I/:LV:Y<.S@9[Y<7*.<6ZMGTIL+'<6 M)%!%58TLRLT*4PR!V72@A9-UQ\Z9+M>BO:QK?I>KJ/-JF-=+=0="=;-1)Y M>\'WV&#BC-VH,#=*4V!IFN9JFDO0BVK)R*(:K!SLYMBBFN= L*B6:-Q*7JRH M!D<.'@5&%]50=056--- C7#)$XIJI\X^*WW%-7R/&;VHR&P>'"Z>HIJA!/. M[,=U/0<.ZB9=-7$ESRBJ7;8-M:B6>(IJG,4)8?8"#:JND!FI=H%&M@2A M)?X"E*Y\^@2+!6ZP/VW O<5^(]AN3NSM'1?'KNRIZ@P^F>". M&"$IL^!S3RDM8[G]JPYJJK BF;VAT8W M_@*U.>XIDS%[D@8+!V?W"$F!)6EZJ0&-OV!=#HX=G,LN625984_@4#4%5C33 M?8U\'$:^9Q Z\X MRSDYLPK$-=-QC"UP?L]0:VI[Y=YZG&Y/26 3R(XKT=("BQ)TU<-<=F?M \.U@E.<<\^.'>?^!Q5 M5&!%,[M"$UT64L0;5;P[1#S]G =OP1-6#LYK5]5?\0<'!8\,\UH69OCTHG=E>U^MNZB6=RI_&I0:_38+*[<"UN-]I7$Z2B9?S-=L6^EK> M_\I[0)$9+Y-%T_[U[GM;?^)EVT;+LK\9/"A%U?UG#_U$'-P X^ WD/X&\O2& M<.0&VM] 6Z"=9RVLSTRSQ862]YXRUC":^=#.37LWH!&5">..-5O"K@/OT8BFK M1A8B9YKGWHV&?Q CW7AR[2U9L_&^0)P;;^K]?O/9>_/+VXN9AH>:6V=9_X!/ MW0/(R -2[YNL]*;Q_E[E/#^^?P;.[CTF.X_$>> -[Q^[U'_G4=\$B+^+%]^ M.W6X0_<32-OQZ-@$FEE:M[.T5K+T8(,IID5UVZU0H05O/F#3U@T;XL.:W?NA MJ5G&+R>P/1NN[OAD\=>_!'/_;QCF,PUV- /A?@9"U^B+[Y!L1)7)DGMO"MDT ŸZ"+IAIBW0YC4.!G["0)F:!?$)!C%DNRQ)&XLI02' M_V0[.#E?:2\732:W%7S89>]$ M^0_87B9_,'LI*UH-F8 [O!B[J8#/T@<)O'08>>#3]PI@6])U']FKZRY4C#O M:U$Q2"N0)C+90*:Y5T)K;J*U1JG3'RZGA*1#>.[GGXKO0*0$3GQ72MZ)5ŸF! M< 39E(\&K!_H"!'% WMIDDZNL("8ETE3E=OM,Q^3(VRRR$&)6&6(9Q_/YN-]61@1.CEY\+6LFU&X_U,H0CGY\Y]4%@TNLRCW^ MQU;4Q@"%0(<[-C%Y:8!@:#CFNQ4 @5L!7/-\VZER8$]JX4"=2CVV9%FV"0P0 M60(M. 3'4T9?3^5Z"@SKL:;AND%QA!6!4"Z)]*-$5!N&/+S-)C'Q\N]JQTQG3H^F<12 M+'%3[%Y"* ZK=HM.)AF29H)P*V(VI8[%ZBRY$C>Y_O8DB1^D/M3?(5M.@QAC M)=0R"<-RE%B^)&Z^ _/ZTD8"%#06 ,.@8 ,3T.0"61$G\JF5G M*YSGEIV3G%^]LXTVO$L6)8FS[&TS#C/^SG@95W(1\ZQA0;D$;Z H.K3(P1 MS)"&H<2(L6AB);HC$5JZ)FZZ/L;0L()W\M5D\A4#'%HQ*)9:(8]C&%)T$*8) M0N9N3TZ,%K6,3]V,?PV2ZG%72G4+EGMR58C;KA0T1>P)^.F0^Z<))FG=[IT* MWTH)^DRUWH%OO)+EO 6[7["F1:9$9EI$W=K5[,&[%WJSD44.FQK'C>B)@$0) M ARQ#/WUYORUH.ZE<=12)\OE"G,44!VPCKKKB??6J\#M%X(N7!*\<;47)5> M(1G:=*5#@0&1\'U$4KD?>BHH*U>HNR?PM6FV[!K&F$O@#8LX*<1I4@3QOWD M4Y%9"4+=$N0X7"#790&K$84T5!9MND @_8RJGEJ50MTJ!0N6$QBB."B*R G< M4W%9\4+='8 OO"^H!0*P5N*.:6XZ;!FWJ:4L@2':Y(@B1UH!!,N$6,N C@LR M:J4(=4N183VS>FQ+&B,OWZ+Z# 4RE!DTBM"DCG00TO'^#+6"A+H%B4&2\TRU MI21(8X/J78?-]#KO@*&KOL=VP%OF=Q00TD @RM^*ZK*A,MT?;D2,L? A4A_@J8IIA\14Y*0:#[>I BML@C=RN)U MV+CI9#E1(2\+ II@[]T0TS1,Y^.%=6BE14B<%<[-MJZ+-@% 76G>N16R,65E MFPYVU0^LS^[,#(A#M-P)SZ0A>K@_0Y&$5I&$S[R,V+U--:U)%.U0AQ"*Y4'MT+$0#XX#0#L[;M MP!^R]C5&6PY4_'[P/N:95EZ(2)DDPC;JT#!-TW \YE:DA&Z1TK=^'Q)\MHFZ! MHJZ>27/T>(92!TC%@<>*D] M3@[>*[&^19V]L+L5HNJ"S)'^/VH:!ZDCJ9'2M3]K/:,M$5AE%S[R(>7+(97!^Y5BEHZ>KNB<&PO=V]R:W-H965T&ULK99K;YLP%(;_BL6JJ976<">7)4A-KK.@@BED+5(AK"XLB(T MA5Q,Z5IG&44P5%":Z)9A>'H*8ZSY?;6VH'Z?Y#*R),5I0P/(TA?1MB!*R'6BF MMEMXC-<1EPNZW_@&BT1?\H65,STRB6,4X193#*(@:#70[LOS=W)%Z)?@5HRW; M&P.9R3,A+W(R#P>:(3>$$A1PZ0#%WP;=HR211F(;?TI/K0HIP?WQSGVBY M/$.&[DGR.PYY--Z&@C1"N8)?R3;&2KS<:5?0!*F?L&VT+JN!H*<<9*6L-A! M&N/B'[Z6]V$/,$\!5@E8QX!S K!+P&X*."7@- 7<$G"; EX)>$V!=@FTF]ZE M3@ETFD;HED!7E4/Q_-3#'T$._3XE6T"E6KC)@:H@18MG'F-9ZTM.Q=58<-Q? MP#>P86"!J'IO<(# *&9!0EA.$;@%3\L1N+ZZ 5<@QN!G1'(&<QI8,> ME'&&11SK1!P;/!#,(P;&.$1A#3\[SW?/\+K(N4K?P!4H&;)_%Q\\W;-?BD^>;K\&GSS=?AL_^[_/YWY0M"';U!MC*S_[(&U!7Z(6=4V\GSZ8>RV" !IHX?!BB&Z3YGS>9GO&UKLHN:3:Z MI-GXDF:32YI-+VDVNZ39_$?IP=E-7NX6% MIRQD&[3Q;TVKVS;Z^F:_*M_+3*]C=@Y5HSJSCNT>JL9U*MMHVX>R29W,=:PC MV;1.YK6[WJ%L]EYF&>:1U[S&RW&MKE7)BN>@[YVN*:)KU9HQ$) <\^(S4ZU6

MW=^=:GJ.UH=F;VK6K,]$MU@T=__LBU93?&G7,68@02L1RFBU11=!B_:MF'"2 MJ;/]F7#1*:AA)#I>1*5 7%\1PG<3&:#]H?V_4$L#!!0 ( ,J#9UDGR?G0 M:P, /,) 8 >&PO=V]R:W-H965T&ULG99M;]LX#,>_M"N$!PP:D]4.2-FV3 ,WNAA6''HJVM[U6+-H6)DN>)#?MMQ\E)VX.2)V[ODDL MB?SK1TJ4--]H\]-6B Z>:ZGL(JJ<:R[CV.85ULR>Z@85C13:U,Q1TY2Q;0PR M'IQJ&6=)K-/$.P>*[P(W=^P8?REKKG[YQ MPQ=1XHE08NZ\!*._)_R"4GHEXOBU%8WZ.;WC_O=._6L(GH)9,XM?M/PAN*L6 MT2P"C@5KI;O7FV^X#6CJ]7(M;?B%36<[OH@@;ZW3]=:9"&JANG_VO$W$GL,L M><,AVSID@;N;*%#^P1Q;SHW>@/'6I.8_0JC!F^"$\]ORX R-"O)SRQO*+T<# MCX9QH4JX-H:I$BGOSLYC1S-XMC%2]JTZW>P-M3'<:N4J"W\JCOS?_C&1]7C9 M#F^5#0H^,*XV0$69)=MIB@:*19\C+^SSW7,[KM76? M?:%4$ ]5:?R;41%"_>KXV&>%]J2?V%H9O%E85\F /]WRV-=.R9PW5>7QZ73Z M[7$EM1E=ON9GM^[RM6U"J8VZ=<(W527=YDJ5=OUF=#)]'JSI91'HP?'EZUHN MU;T*G^I;A[^..RFYKI3QVAKAU.+-:';RZNJ*?E;I694F"H,;O2>:H.Y(V#G^WTM^Q[;!E+KVZMN4_=!Z* M-Z/O1B)7"]F4X&MQKYP^5;YS.F: M/607XJKQ6."]D"875])K3T]OG?+*!$FK7A\"$N;C[-TQ%4\XO2)(UZ*C]:$ MPHL?3*[R['W'4+?3^;35^>KT68'WJIZ(L^E8G$Y/SY^1=];YX(SEG3TA[V>W ME$;_E\T;BVMKO"UU+F/6P ]#\\D=[[21)M.R%/=X]J"BP8M_S>8^."39O_=Y M*'IPOE\!*KQ7OI:9>C.JZ2RW4J/+;[XZ^7;Z_3/FG7?FG3\G_?\3XN>/.#@Y M%'_Z&/&3#(U36XMG'F@C9LK9I2K]6-R8;"(.0J$0EJJ69G,H-(D4,BX1066% ML:5=;D065XA0R* *Z84VP=F\R50NI"'"5X:AN8Z%0U"5*VCFMD#B=B94J=%8J5*[K,(§.@9YSIFST!5@(/72P,KMIMHLA:SK4F>\.SI' M(\OWN#UIT_JL/XBTD<(TU5PY\KPEER46!>V+#?"KHTB-\V]SK5$ M[/VKG;03=X7-E;CQ)4P8BP\?KL5!7'%W7?R>\LALQN])-?^1C7ZT #U3 MRRU!Z=GA1,Q2ZDCH-A9K"NL2W9!0!TH8+\4]\$!GVGI$A]$)#0?^$,$*A5C/ M2^T+\?/M# .!"EUE.?%0/.K/BGC;=?>"MOXT1CTK^WNA2YB2AM(AO3*BT_ !R M8.(:&5YL9^I.O8C;C;._%MA9T,)-(/6VV+((G&*6^%B].)A>/5E-$,EGK 'O4 M VH!-E""[58M!@\)LOEO_!>DTF_%&Q?R9(;+^M[F,U;_ #5D- M^LD/6&*_CA_M^,<@,ZA$A$$.>9S)>TJ%H,[1'A!!)TW,0B JXNT;883$XIBN M0V$(,PQ0CK'-;:@Y>;%6#O\FX131MJ&1RZQ11P%L.-I?RTW5&W^!8)%2<,-T M&#>XKU;,>@E:.K61OZ2x;]B<.C"V8J5W3D]Q@7X:I&"% E.+Q0HRQ*.U5CC M2"XPJ5$]*[BRE:30*EP5RX% > (.$\P+U#H!LENA5XN3EOKSL/-K(P\0JXV8+:$: M>R%2#5X\>-I6=\(NM(R^)@@758-:<^,]&GW4^;6LQ0>+ +]+R'?(1=Z^>H>] MY.Z;W\2O#OX84_8"UEIE9O03D-PN[\"@7\T>+ND(SZV"5&%UN[5HI0%E%BN4 MLHE;,;5@-B;&G(K+(SN) _:^G")MI&_O.()9GHHTX?XA^'X\XS42#M8N?L[I9= MDQ/+Z'3K&"J.HLT20EL0-:H!@IFMB095MX+V( M"Z<7?45$1D+P)YP-.=2<&IERQ7G>XSZ'S_ 6"Y=]9"IF =P$B2[=/)T4(OD MC^0>1E=:W\-T11X=I=E?YKD#W.'-6__G9ON6]A5M[8ETCC4E[ MW_:K3D%@&?4$/$9K]:G>/$'V>_N&DVDJV5:0HR)4$G:%3*&>& M"!+V= #!E?J<7\0::J(!7DQ>M"H]HLI(!)=04L-*'Q@E4MNF"4?")6Q(XM/\ M'MXQZB$<1<,B;4AT>HM#];2+#N (>=\S;DT.>'+F*-C)?*C:IM\05&G6>>^1 M0_GL_V=GGJ%#$$N-$WT)L% SW"1?;P<5FY!NJ?!{GKS+L8>\N:=8$765*0C<(>S)A,,+ MB^(DW5$L5)^,TAHUL4.W2'D* 8U;& 1\B$]":\.6Q.=#=B.KD?TB6WY=6-2JW@N57DP8M?3#5%02RR9MS<>42'B#(C) MC^B#[J9]M\&I$0'?JE1&1L)S\6Y\^A"D7L8\@VP*W13!R)ZK>=AZ\(A[CO=1 M72B/.2Q+29@)OIVDMH\FD CIF#K=DAB@87%+ZO51# 4>M8XG%5N3&%3,JK[R MVL 81;!'1)W6MF,4HTL;NE;I,8]0P0%%XA2$[ME3M?%@2F:JLCVK$,TM54AZ MI&KMZI.KV//B)Y+#?RD]VNS[4NP_&=G "SC@AKBKK@9<[\;$ZW<' NY]66+G M=&K3;=1IX]9$N6]\)"PKF];Y$-:D86*7@A=R!5) LRVX.3)ZWN>RSCM.L20A MMBMF26!"@'!]/#WU(F[FZM/AM7EVU,^=@:W >C$P:?)_42\G\UN#_EXEA[+ M-L:7(&5 T(T*-;1+W%0 ,^@>CN9DK [M6QOO>Z/_CD1UVG@T@,G,E)H3^2+ M*]_0&\U(.:93]2/)P;>3!S39GRQG7F($EF MGE^/DU-Z@[;U1L [!3P;V0"3[A3G*A;U7O.%;4JB88*^Y- FJ/6?QL1/)9W; MV\3ZLA<8?X99:9CST=U X\3,8.8N]VCR]XX6T&"8[BS>HO0C:SMAUG:6)J&A M$,P>"UVJ08JPK]-\U];<#P^ #4SGE-,@/_PE"?]]Y&[Q8G I$($!]1AO*O;Q ME/ZV*7K_KY3=GG*R\7 O*[1#I6MROK#\[YO"QI/##3]3Q,Y:>)D,MZRRY3F MB'G+9$R\@B<)/>"V(5E([?ISGO)+KQ+(N0[/W;]T71@EUY01<:B3[4 RVDKV MN; ES9CIF*Z+)=7B90*K_0>NO'@A)U*K0+R*P@S2'U+6&=*P<^&?CCKQJ,H-)\ MV@95,[3E3"97W>UD>V1D<)$$IKEN6)*4*+LU>4[H1;Y(DS][;++O:]7QX.,D M8'[)GV#I5A\=(WZG[)YV7WEG\>-FOSQ^(D;=+NFK0*D6V#J=O+@8"1<_N\8_M@JWY4^? 9 >&PO=V]R:W-H965T%*KVVI7!J<3:Z./CE M\HC6\X)_:+7VO<^"-)E;^T!?KO.ST90 *:.R0!(D_CRJ*V4,"0*,+TGFJ#V2 M-O8_-] (_LN[092ZJNK+FGSH/J[/1VY'(U4+6)MS:]6\JZ?.&Y&76>/Y7K./: MP]E(9+4/MDB;@:@?9?PKOR8[#]:\G>[8,$L;9HP['L0HW\L@ST^=70M'JR&- M/K"]O!O@=$E.N0L,;S7VA?,[O2SU0F>R#. (BRVQ=!ETNQ8TU.M/*G^X"$)+ M][,D\#(*G.T0^$Y\LF58>?&AS%4^W+\/<"W"68/P9]2B/7I.^O_BG^<%OIJ]%B\(%3=&(= IYY03P8K1[S8H,9N( MNYBZPB[$I?3:TX<;4KH,,B99F;\D? 3PBD6&EQ)4M*EEN_N9%9DN/U[D,*A<+ M7]JA>Y#B^(-.E TE@3IGE\ HJVT*)(+]2(-[W MHD9%C%!3PQF[C<9)AW_WEI8TF'-:UIX^KS10./C"L/.<5K /"[#0VHD%",\Z M-@P9GK9D-6#!@J!8PN=40#EFD\:B_5*PW_2*3%71B,VEO*N5&B M!NO'E,RTR^H"D49.F8A/LD21)R,*F?^!PN9?"H?U2I6,,;X:R&M\.Q'7QFBX M!^]A3QV0:NZ!G?)H#2P.2.0].#*]2/;/B!U#BNBH$S[(-8#M:#;(+ZL#;30"R+H'K^934N4 -[BFHBKE2R74=\G M[Y),9@&&SJ8D*5C]K9DBVUUL;$$%A0H\4AS:NWD@W>)7-$O@"R M6R!!C-+.*^E79#&D'XH^]A!9-I5 /.#4E" $0.=IUHC(2Q8Q3 M<9V@'$)+2M'#<6Y4@*WYJ!@W),&%C\O04?Y5#*A;[1 $QU8;7>*0FM5I,J)" M=8310$;2C2;8J;'_UE?=N]4T(E &#-+(U?A< 2=KE@0T7SB.RB6*?U(^37@ MB)]_>CL[./G5ISZ1]*'DA!3$NC84J7!MU <%$K:9UTW"MR_(WZXC@O;Y0LZ) M.N@Y!VULI.%[Y9:1%26$%9:::CS-B1"QU-B,:TU8.5LO5[ YVP*MN:_5+&O>"J^4GAK0D>&R^MA*79'T#I>@%AX3** !? M,JZ@B88RGM3ORLOVBB0BT0,%P:6RX#VG1UNDOUH?O\BW57II >/M+IW^I M)4JW,YN)>-\5YQ),(HK8C"MJQE_,*F"QCA;VZ8^.;-@:B;UU!C!B5TD3[6)0A M+2E%#YH4 ;/@#G>!PT>J[QRE/P#.$.FCW2J?POR8FLKO_2"'"8$50+NVO51$ M;Q0[8^P[.1) Y95OIOA 06$#TSGW5V-BKDKQ?$H^O C;#OJ6 "W@M2]GXAQ5 MI68/2IR\BZ=M#3:<\AY?XR$'VRQ.9PQUVG;(\33I=KSSL*<*WD:]\3>SJ%WL MR?LGKL;S_W!UBDMUR8)=SFG Y;$W6]P1KTN7>XC(N1:RS./I\;@]C*O;56([ M'T56TYBI$A3WH M4%.?5Y.-P<6I#Z@W)47S<\;&V:8YQIRE,S'S^&1755+J0EUHC7!=W.C MEZFJ#@,PX?(H>)B]YIN!'5FF:8KZ7(6U4E0;**;1L*29,+8#/5I.H?GMX:1) MVFO+'6LHWC"S9-2)X- XRX0M;0^7*, (.*IU;Y^R:5CH:?],HC!6JZH_P/:LV M /IMX3; ("G%G?4UcGO@V4H['SD6=!&S$G_'HE3KP74#.F9+8T0:NV%8'04F MDWEVWO0:^2QGH#@GMJ!/?-PUT M.Q11SC>HL)R;P)>N,B8]:UT7E>&G5+0I"KZM==\P-9E$]_9Q_'>NZ!F2$IV* MHQ34=S@>"R G"TT'^/*U2_[G^K2^;G'F[FMX78K?[6/(G9V^EKPN8(3^/MN(K[ MKF;C>^TS8WW-EV46>J\X\?+>8SFGZ:%_>^?3YN8JBCIFD 60$6=T\=B4NJ>$ ML8!TF&.CI.N:-R8S7303*<^HPW5O)N*#1'?=A2151(I?#)%/IAKBKGB'8MHL MX.@90A\HZE1DNA3H,MYPNNZ&\REN8M$NH'L>AR];5\(HT5OOL)IOF>[IEJEQ MU,G1%D=U"X<.HH!O)ZH..J4IOLGETJFE#$_NLU!9=$ZW<" % N#/HC#-F$G&@<_WMT+S3G1EL\7X*>E!_$SHX>*MWV]5HB MKYZ1RZ,)BS=#*TG[=M'D59\F. [JZZU%ZWC(1XI'KN])W(*[H'[9VTW<9";2 M:J-"+P 8+3U^'O'+16C;;S[[O=_G,&TL^5=(OL4K0_RIKGW:_M!Y$7 ?ZY,' M7TD_2;>D.PFC%M@ZG9R\&<4[Z>9+L!7 VC>W :,-?URAJM^-L/5V*\W^K2KTP^N+^"+<^)"O-Q7=N'[S M:B?7ZDY5GW:_&WR[;J1D^5:5-M>E,&KU^N(F?O%V3.-YP#]S]6 [UX(L66K] MF;Z\SUY?#$DA5:BT(@D2'_?J5A4%"8(:?WJ9%\V2-+% [':3_PK;#EJ6TZE87 M?^19M7E],;\0F5K)NJ@^Z(=?E;=GO0)275C^*QB9!S[?)HP+OU.Y*C(:12(;)^!%YH\;N$ _/1#/!V^?$3[<:/] M^#'I_WO4'A5[6NEGH^? B2>LUHSZH5*_+G*LNW,LM2IAO_Z4R\;!1*$B?W_"T M7E; #RM2$HT:T"NQPU*YQ=BUUID5&D "??)469%C+OYM=5U6HMK(BM'!RMSB MFR(A-L^4D:S PR9/-WQ?E55>[87ZLG-#-6FD@ DD4'U)-{)UK[)0AB'4FK'0!M,S+M5B1?K92._M"/,N?"Q@&,U9YZJR#-&]R)X%;Q[[$ MG+.3_(JR3*'5LLC7_)3=VY7),B D&-Z3@1&EE0Y@=P9.HM'WSX6$_NGC(RD M[!:UDXC5-^@CRTP\PR)=Q_M50DRDM3K-(35S+CDG6[*_JX@9%,$]N\5ACAW M B-WNR)7/BZ(QB5%0VQUI@HR(6VK@9(ZKRC5D;Q+N2R4R\YNF!_RHL"<@M+U M1+:ZZ9RI!72' ./A.1L^S&J6A?^QLG&"M>_ #1T8--S&T%-U17XOU!^= % Y$4%M57G%LY:@#%G,ILK.$+P'F1??>8O*L. MJ++17A&Q!;G(=V?G$:C^69,2!(A(J#DB,'"'"Z>"&[:LHU&%K!S2P*6RT"72 M'$R)$(@GV@8T@E]QD=6D;S? &-79[4^QIFHO"&6N[]=6)^OG5>WH[4^"E%MM/ M+T2!L+K(&HPI]DW,SZU%=*EK?YGI?P5XE@,S09?<_!R%.2MZXAN6!? MH;VTK!""I8*:BHN@=U^NH%77BHB\0-4,-8G =,=C7RDQAAZE M" 5RI@0XW6#CV0>K=J0[!A?,7[*<58>!2.NUD;M-@.3+>'@Y2B[C>\W,ZU< M6CNT;+#RJVI@.:"E)??XL.3 TZ6J'I3R83O)8G)"A@Y.,3+TP9:2N1'0.!M! ML!04K"[V2AIR;0&>5#T CS]B >.MUU"\"CFYF'D MMAH_7U$Q44GI RE9;8+K2R)[6]?.*&IG!)J1RQOU'4D/M3'B">'MFD,U9S+: M?+&!&P9D3[AAO4=:)'ZA/,L@)MAU^T;2W (%9CK0'(EEC7+E0)\BJZG)87TN MG1?)'4L*:E-@$? F>":2O#.M&\BC/G3-.YNS>%6K83K?8LL)&Y'>H[%$(PNU" MO 5SSHG =%UC:\^_5G)I1DFD\MJRZ1^*2L8B*R4Z>>& M1_*! "2)>X7M ]#K8);58,YQ((_XA\M.;EV0*5LZ+&D2EJ"MX=:PYJ8 >:'M MXD!2NV,>2&2^6B(!"P9VADDRP(.G=\2Y>BX>J&!\'2_87ZJ>$LQ="!!4GST MKL2GI@AIW\@M5^8Y.M?9!QED!E^(JHSDO\C.M.W[VTK;GECUUV\XW'A2\&7A5JU&^R<+S_+I S*]KGAR5Q>V+]P;L#FGLR? D M,F6'P&1U:U>L=CLZRPSDHT>8S'1.V]H96,94X_][1L0PX M0S)O9Y(=SACZ?(=?/W1)?=.0D,ZNNVM[>MF^'Z)B.2WRB+J%#LZQ/NM)$]B_HC(MYQO(2E017'MD$\B!UI: M6T0H4B4I._G[+B5;=0#'N4B[Y,YP5JOA=*OTLRD0+;R40IJ95UA;38+ 9 66 MS%RH"B7MK)0NF:54KP-3:61Y RI%$(?A("@9E]Y\VJS=Z_E4U59PB?<:3%V6 M3+\N4*CMS(N_<(#7Q?6+03S:<76^(CV9W6O*0LZEIR7* U7$C2N9MYE-%FD MKKXI^,5Q:PYB<)TLE7IVR6T^\T(G" 5FUC$P>FWP"H5P1"3C[X[3ZXYTP,-X MSW[3$Z]+)G!*R6>>&Z+F3?R(,<5JX5]4-OON.NG[_@R)4SSA&U;F\0>9+6Q MJMR!24')9?MF+[OO< 8A>\ XAT@;G2W!S4JKYEE\ZE66]"NFMA";S#%_BP]( M2*>0!@WJ#WOS+IV@0?CTA-^WDIJ?8/QK&2?!Q:6?I M.1RPOHDS1=8R%M0*;(&P4H(>^!;>F_M*@Y$P8^0S3PPWY*09SZPZ3?>R)S I=0:96A,1#%?AP/ M8.B/DT'OADM._W .:Z5RVAO[43^$@=^/1KT?RC)!/.G03Y.0@H1V1V,X]KV# M R.4J->-W5VGM;2M0[K5[D:Y;(MTO[RCNZ87G-I0.*H.'%L.^!;BW>]E95 MC:V6RI))F["@6Q&U*Z#]E5)VG[@#NGMV_@]02P,$% @ PP.2.0]. #M!0 ? T !D !X;"]W;W)K&ULI5=;;]LV%'[W MKR#!&,*CE.XW@VKKA0P[.3\.S2G)WHQDFAZ-(PVU05-[<7)/7V=)@,]P\^ MBDWI_(/QV4G--W1%[G-]:7 W[E *49&R0BMF:'TZ/$^.+R9^?5CPFZ"M[5TS M'\E*Z[_\S;OB=!A[0B0I=QZ!X^^:7I.4'@TONPPAYU+;]B_WJ/_%&)'+"MN MZ;66OXO"E:?#Q9 5M.:-=!_U]A?:Q3/U>+F6-ORR;;MV H]Y8YVN=L:XKX1J M__G-3H>>P2)^PB#=&:2!=^LHL'S#'3\[,7K+C%\--\10@W6(">43\)5,W@K M8.?.+@WR:]QMQ"XE5XYQ5;"W7Q110W@7L0_D3L8.?OSJ<;[#O&@QTR/(OH6.,O7B6S.)7!WA/.MZ30^C?F*S# MF"^G1^R_<7M+ZFX)=9+E&EU]'=-KYDIB:RW1[$)MC@=(G:-J12;D[PWENYLD M8I\MK1LY\#GUB);YJV02S993]N+9(DW25X.+1L@"[BU+9]$R ?PTFLPS4&"WQ(T=O.=Y"1W, M[8,XDN4\FDWG+%E,HRQ;LHS]R)*]T6M=U8T#^;OUWMKJM=MR0VP9S>,,OQ,P MR78VOQ(F1JEEP40%ZM?DS4!K$DWG,4NS: IV5Z4V'A?J-4&3H 33ADEOSO"N M&GS2CDLVB]-H&<_9=+J Z6QPGN=-U4CNJ, L0LGE@@>I7K)DFB"&!3ORUY,D M2A=++C0XF,>(*:3Z.9O =#I;^JMD'J7I'(GK8=,-M@3PVG*?AF0^2C"9I Q# M%G!X%(\6W2-L'*$H% 1G53L8R \&=K\V0AUX>U\+$0:^K2F,;'D[8I\ X/7G MZA9OLEY#6$OA$8V+ $F5F/2]$8E,57T[G/(@JAW"7? ME=QA6DO)E&92JPTL5P F"N04QK1JUI@CK=.N*79C':L+@5A\ZDAM0(?".H2B M?"A.,\YJ;AP3G>%-UXD3T4C#N,[XD!G!(EOR90R^&4Z975DERO25$X"$^W MZR&@PE;J02J-HJ;U6N3"O^DP1^PCK>$8!#]H "W;ODM>^0Q5PK4E[A'0O X. M2 '!!LH<,5O$'_;TW;3()1=52]3UTERBNFRS J!7:"M<">M..@]F2%2KQEC: M,Y?:6C@2*F^,:7. R:1V!X $1Q^C?YMS3U>8M]55/UAB0;K-4 /&4*03;$/ MH5ULD";5T* ['TM'\SK"WN@<"F[M":$#'W$^UZNO]@PW$M!1%F";6X6\/XRLL M]'XK"^IBZW]0]W?N@C*'B_'_*96U*FB3WMINPQ71*]3-> MD!4;U9;L/6]>>1NUSWDM,(#%WT%E3&1"4IR?R1X!6U Z_=<83!>+T73_[+%9 MPH-*"I"<$!7)AR.#YT(*=^O#OFC0KGF)=#7*Z_LSX20N^/W1V%7^<[:H5:@O MHL?X[T?SDQ)_K=]'T4-]QZ/X@2J+[JT;V(/-X;&#U;AW(D:G;\YWUH^T%JD/2&J;Q:#X=,M.>]=L;I^MPOEYIA[$2+DM\ M'I'Q"_!^K3$E=S?>0??!=?8/4$L#!!0 ( ,J#9UEX.+)E? ( 'L% 9 M >&PO=V]R:W-H965T MEN.XM@ [2=$<@AI)'X>B!UI:64+X4$DJ=OZ^2\I6W< Q>K&XRYWA+-?#Z4:J M)UT!&++E3.B95QG33() YQ5PJB]D P)W2JDX-1BJ=: ;!;1P(,Z". Q' :>U M\+*IRRU5-I6M8;6 I2*ZY9RJEP4PN9EYD;=//3KRMA$D$T;NH9',-^:I<(H MZ%F*FH/0M11$03GSYM%D,;3UKN![#1M]L":VDY643S:X*V9>: 4!@]Q8!HJ? M9[@&QBP1ROB]X_3Z(RWP<+UG_^1ZQUY65,.U9# _JPE0S;^R1 DK:,O,@-Y]A MUT]J^7+)M/LEFZXV23R2M]I(O@.C EZ+[DNWNWLX (S#-P#Q#A [W=U!3N4- M-32;*KDARE8CFUVX5AT:Q=7"#N71*-RM$6>R>9ZK%@IRN\4Q:]#3P""KW0OR M'<.B8XC?8+@BJU*82I-;44#Q+SY -;VD>"]I$9\D?(3F@B2A3^(P'I[@2_H6 M$\>7O,&WI"]TQ4 3*@KB^J5,DY_SE38*_Q2_CK7<,0Z/,UJC3'1#)9"A[X2$T5^=E]ZE\EZ>"K-)0A)![Y:1+9 M1>R/HX@Z74I]8 _HW]OL#U!+ P04 " #* M@V=9E/;?*!0$ \N"0 &0 'AL+W=O)JBR(/2I5*TN'P=5()J:/Y-)Q=V?G4-%Y)C5<67%-5PFXO4)G-+!I% MNX-K692>#Y+YM!8%WJ#_][ZRM$MZE%Q6J)TT&BRN9]%B=']QPO)!X&^)&[>W M!F:R,N8+;W[/9]&0'4*%F6<$07]WN$2E& (C<^+_#C'J3K+B_WJ&_"]R)RTHX M7!KU6>:^G$63"')7"+VQ:V3$)9XWSINJ4R8-*ZO9? M?.WBL*S*?6;,"R-*'Q(E -VN2 MGU^C$AYSN!+6;^`6"NU$B)>;)I[P62K).JR+%BM]!NL-?##:EPY^T3GF]_43 M\JMW+MTY=Y$>!+S!.H;Q< #I,#TY@#?NR8X#WOBGR<(_BY7SEG;_/L6[A3UY M&I;?S;FK18:SB!Z&0WN'T?S5B]'KX=L#3I_T3\<0O_)#!W&.CH[A@-!6!I] MA];+E4+X:#S"96.E+L"7"%L4%I 3"Y>88;5""^-12$TZ"!)+4]5";T$ZUV"4 M@)\CV+&NV?,2(C/W(J6/P!CX; MD\,UO6<+2U%++]0 WK]?PM'WB^,!"$T>>TDTQ7HME0!K~]*7\*?)2KB4SC8U M=P6XQ:S41IE"HNN06(0PJ.\%=K426I-Z)72SIH"UD:$5X9(!J>&B48IAE\QH M.X!?D7JE% .H&^L:02S)<5\*8DMJ%^V,;YJ;%927X$%10>IW_D!Y,%3X<"L MX1VN;$/]$D:GNVC3A:C:7*RV]R$7?,X@!![#B$W^P,I'<]=F,YVT^1]4R!Q MMFU>G|$_CN%V+^L6ZTXDAV=S!U0%BZ:@M@:C-^VSCN$&N\NCR?%CC5W74MY4+64C!>&D]Z/,FC*,.: <5"+K6!MSC2L M'SVL,>6H0<[A#RJ9PU%;\Q^-.BY0FJ:A!+@S5R8S]T0!!4'8@/=LQWR C(O,E M>F2!XN.]:A6%SCG@>" AK3UFW_O P0D.$( +ZNW]0W[L'W6#.-U%@>R7DO0V M@H5D3CS[S/F2#-Y+W0#^:"B;N[3%3W759&\&5FB+,.D=!$?:<=B?]A\3BW&& M?A=OOT0H5(6D=JAP3:K#^.PT MM.JW;C31TFZLIXFL]A6=('$5H6H/NUH6KH M-FR@_\2:?P-02P,$% @ RH-G6:'GOE ;!P W!$ !D !X;"]W;W)K M&ULG5C;>822*LA,[L3WC),TT M;=)Z[*9]Z/0!(B$1-0@P &C%^?J>!7B1+9N)U]H>32E>$-$+P%/TS9>]H.<_! L!X M7%Q_HK"FS]+GR3@)DR8,D)74-HFE)R:%0\S!"+ _$$^C#L?T/XE8H-C^(0PARE> N3"R,E167 MEMURZ#B1+M 5G*V6-%;:\6ABZ9.U\+YMMK9RB(?8"H7 *E,(%5N=*MG6QA)% M5ESC$XE2%UQ_\0HB"&ML*!A>0)\"&8$J3$21$?!DWDVQVGDH'@*+8Q:W=2J(+*[/;?>+1XZ%&CMV*\ M[1Y.[V>^#<2#]'D( :TV+:2@T0TTBU%&8W1[20 1%W2PJ9FD!&ST3AV%G9CR MLYV>NS@/^E'7>5G%E8DX;*C^T8V5NH;7M35?@C*20?U[/,V&"> B*0_4%UAO MRGXP&Q&_$-PJ?PJL(:3;X2N?O.OB^!!7N_*'D,/8X-;*V+K#G"%Z:O>$^=`6 MRO_89]QLZXN[$AB8]+L"[9;HY CQW3_M?[JXB%_L@W\W>,CYBW*#*-U!=5T M^N)H$G>!L:;.GR_+XWWI@J7I>"8_22 ]RN#X+8W=$#_@\[YWU!+ P04 M" #*@V=9C[(NLP<) "(& &0 'AL+W=O%3W2FOECA MBC25=G.M$O-TT9OV]@_W>K7V]&%\>9[+E?]J_-_S+Q9OXYI+K%.5.6TR8=7R MHGP'5&?BD\G\ MVHD/6:SB;?HQ-*C5F%5J7,_V,ORJ\I$XG S%;#([VL/OL#;KD/D=[C%+O-CQYMT?3 MHUK3HWW1H]W"AX'5]I/[P9_K,BE M]5HY_MW0=ZL@3&);#%'(/IF(52&MA Z!>&R03;6.2VM2X9'L@G3$[TC<&9FY M:DLL"A++$C_I^$;FO"X^RD@G&B*1GN1FLXO&V4@\(A&.Q&9-+?:@;]9BKX> M""D 5BH2VKBL-Z)XX-*@*VD5P(D6:1SV 3$BLP3:]B.ILC09.$:DV?%'T@ M3ELB!PQ;7Y,@,'1.^3=44F*4MT>3/&K 'P7O_'GAF?&$FGJ.E H^210X6S;I MBDR";I-)K1ML3K4GQU<<6*GK =,^RJ101$HO 7W2BK04?50[Q&%,CJ5E%'(6 M\CP0IW/Q%WJ.E/7H!$(E>J47B4+5C4B&JU@V</BJ)K\T+2(+CCMU].9[/)N_L:ZBS[PJ]"#RETY.!#HKW"5R=2;E$IKPS57 M5IM8Y$GAQ-%H/@$6^"0V$#V$"Q;_1G\C>;(E<9D8PW"6!)S=K?4(R8#5$U[= M8_=+L%IV XU732^U/OXYK6>E7@_=T"-QVQQ2@^$\'E-L1U@@Q1CC:28@-Z M62B:;*A <+Q)Z!Q+CA4EHW6U8\C9H4 /D]&3O$H7T+IJ3,,J&\N\@1X8F^ Y M]E>G8X$7%FG%*]J1B/&>9*XT+O7DLD8FQ]@=\&@ED"6FWPM-U1U @':G1*,H M4"E1*E0HP%I7@1\+Z/#YFBIY(PMCB$Z1^PN9R"Q2#(+T0*E)4_FH+&:ZW0H2 M0UC98C1PCG4 045XQ'>._)\UMH)B,NG0M-\'J1.Y"/3[ MF&_%,3-")+#3 ?!+F/9WHK([4@E^/;1EB]E8Z4$IK!746'#%@F+%/L16C@/ M6BT31#C^D-N=YTBCO%\BL- (J$20NTY=CMM'*+JCI2^QU

)VI)390V34:WEX#>(I],+0RN)" MHKXHY"$Y (15? S(?$E)2CQ)2U[@+)++I:;S(DZ;B$1,)9+FGWZ37&! +0M/ M+04&0Y%14]BF(MZ*!AO.V/*T"5U1;BGT"T<=ES8UZ43&E3ZARL$1B43RFUSM M2\=RGH* _!V21YJTW&YT#)3.7D,)XPZ2"=YH65/AOE 9QB%?%Z%0R=OU)\SB M%24I2,V3-;S3B.B8W-B>]TJM!LT0 EG0BLH X96A_YTT[8_P0XC04<.UAO)N MB1^N;Q_>7_VD.!Z0)CKBUEYW^U=XPXN]V7,W6-%AEF&+KCX":,&"[[<,+# MHRD\I1\[[Y6D[1O,6:P7TBAO]<^N%DO',4225V5AK\XN[80=[$R44"[5:+RU M;PY'[79?3EID@8[);[4,U"F:=&I? #=L#2\G/*@R8U5:,%&4#.)O#]]PUC9BRJ1L-F L=-5B>UA*02O1-S6BYT_ZK/.L MX]2'#\GH@'|BITJ^0ITBV[9P$V#T!UMQG7!&Z:&X-G4@=(5P_<]?,3;/&6(BEMX959J\1\\']@4DVSW:ATS)94HW2(J1:-:Y_$ M=\;?W;-\&8IUG')=)W+'J'%-*G(J5P3P&GV89DJ\CKMMAJ%-8_[J%$3M ZF_XGNDH%!+AZHK0>,2CJ9$@Y+. M]E4%;MC#C*KB$-,U%G+ 86:MY](E)C@&[NW!5HTZH!!UT+\E\TSA +D;'#S4 M5S;3V7PXF4P./E3GGM-Y:U4[!"FYF"X1$&5B/IP>3P48& \'L"+3Z=GP#")N M"FO)/N[4,'AV/)S-)P=W?$-&'*N%L\/A\QH-CII6A.#\+(R"QH0&/ B*\^\Y.@MFT9=%Y+CUNUPJNR*[\#I[@L1 M$2Z*ZZ_U-?M5N%UNMH<[^D\2XUM&/EV"=#(ZF?="3ZA>O,GYKGEA/,81?EPK MB22B#5A?&N.K%Q)0_^?#Y7\!4$L#!!0 ( ,J#9UD&PO=V]R:W-H965T$,)R3'LOKK]SN'G(MDV:V+?;&L&?)<MOG/(2)VOK?OF5TH%<5>8TE\,5B%4KX^.?+92A?0C6ZD2;Q;6%3+@JUL>^C!T>5Y)9?]LPK_JFX#J\GKM\>TGA?\6ZNU[_TO MR).YM=_HR_O\8C F@Y1162 )$A^WZEH90Q)QOS(=B*SVP19I,RPH M=!D_Y5W"H;?A;/S AFG:,&6[HR*V\IT,\O+BNEX>OR(O%GK[XSES?Z.O^*= M]IFQOG9* _.=J[H-#TOQW'PI1R?%^)51(KWTE,W4Q0*5XY6[5X/+''R:GXS>/ MN'#U%)%$8B6%&@4G1EE,AX:]9NE-';)8LK OZ#\D=H5).VUS8A9 / MFR36$M[GOZ,452[RVM'; %%AA16BB.FN*-W%1^FRE9A-8K:2R]+#H98F2#BNA M"[A.$]-RUEJB:W6:V/>UAM%SM=0E[X_VJD8QY[L\41Z;S,MR4+61?;M M!3 M!/&R_!-?4'A!%7/EVNIC6-F\UBI[B_>R!^0"+59LE'1>1#,S6>D %/Z R!T$ M,NLIL1SE QS0"XTU>$X&(>K>&IVS2W.)*/0W.6P@U+!8)KXGY376?HR M&1ZPR?@S.WC^GH3:VL,!?WAPO1/J:(P@2'[NLGKR9B,COY-3ZXZL<-B.TF7A3U7)RV!.'^#P]G8K@#R\6 M(&Z!N7_?,^@Z>S7#YV0X.SZC$&!T&?%6,J=AT'5;30\5:>5T+(NN=1-YQ*5OA#KN4:1:QC MN.HF5-KPW)#CW' A.7#84)W>:L_@1YH(2DWE)&O\;SF7 M=)GCC=N,Q/5*NJ6*(_3G$K-%*>[]>(YY3H#]*I'LD$!=<[M>UARAT*:Y3/H M ,TPE&5/8!8%(H:V5 TTU W\ELP"VA8 "T0K&L6CKY6+[:J4BRI&SNK*1\2&W$]%MEDDF)662V-ICBCN!9@;!C<8Y33@HV M50 ;.)IJCY2COIZ#"P5NO%(7OFDRK12Q@D':,'':U.([$NT>=^[5&.C9$ M9K@=.5E1+6'1=O@@/B9NRF*.[^G 0Q%( *C:>-*C/7?C&G3V[7?PIE&#G0O M*+>;9(O(/Q"9-$OO>S_<):9[UK$T:F3L$#WF=Y0M6;AHA/E6F&%A:DN8D>M(2UPGE1L79@B_ZX80#XM< M<9HRAM9P?H-&UY@_//@-YAL#D3#J*4M:F!HP6:&91KA3@>C(AG@2!_F-@Z]R MS?: E*&1&UY#DQ<< 05L2<^"IVI)!-9HRKO/B/T-4=?W[X?B/8V0B?CQ MA[/I=/SF XY,1MPXFX$V(;$]/Y^\B=T!\?L-XQ.3&V! 4CR58 S=&XG)^,5O MD4H0/J*4[_9N&*.^Q# ;6;P3V&E/6V$P>AUG/':Z%["U.5#@&V#@QESYF.:#?.T $'Y)$.M*43;L+ 39UW.Y) :QAYWAVTSU_2%NL32VCQVI>[B9:]R,I]OPV2E.=4T M=.>A$F[+EX]E3MVCV=M0DM%94'G_? /#OC9DNE]/F!3D%_+:16FR6R@H42IJRM5"97S)(:C0V#X^ MD%CW#02:E _;&Z)A.IBEN.&D/Z0(T6\(S0AN $OI$ \!ZG'X=FX4.G.;^?:D MDQ*?L/>=EK[L\"M';:,5E^Y(MSE->,2XQ'LG+5GL\7"4]U^[=WLFQCVZ^30) M,S$2^^Z=CWH_&R"0E_SC*/5OM/OX"T+[M/N]Y2K^[-MCS_>@"/A$.@QJQ;8 M.AZ]/!D(%W\0B5^"K?A'B+D-0)S_72DZK-$"O%]8G&C2%U+0_BIU^3]02P,$ M% @ RH-G6:,?74K=!P A1< !D !X,"JW;W)K&UL[5A;;QNY%7[WKR"TZ<(&9-WEV%G;0))VL2[6V,#9;%$4?:!F* T; M#JF0',OJK]_OG+E*LI4&* H4V ?+' [/_3L7SO7&^<\A4RJ*I]S8<-/+8ER_ M&0Y#D]JE[37O??"WUZZ( M1EOUP8M0Y+GTVW?*N,U-;]RK-Q[T*HNT,;R]7LN5^JCBI_4'CZ=APR75N;)! M.RN\6M[TWH[?O)O1>3[PFU:;T%D+LF3AW&=ZN$MO>B-22!F51.(@\>]1O5?& M$".H\:7BV6M$$F%W77/ D6V'+0L9U'MG_J;3F-WT+GLB54M9F/C@-C^IRIXY M\4N<"?PK-N79Z:@GDB)$EU?$T"#7MOPOGRH_= @N7R*85 03UKL4Q%K^649Y M>^W=1G@Z#6ZT8%.9&LII2T'Y&#W>:M#%VY\53I"VE0$:10O#.TM9/+Y>A@A M@@X.DXE=NY+=Y 5V5^+>V9@%\1>;JG27?@C5&OTFM7[O)D<9?E3K@9B.^F(R MFLR.\)LV]DZ9W_2XPC1 Q+_?,[&DL7L>1:4)F_"6B;JIH<\",H_JM[M M]]^-+T8_'%%PUB@X.\;]VP-RG-WI>'PFCO(4OV9*O'?Y6MIMN1N$6RYUHOK" MR(7S,CJ_[8N-]"IS12C)EW+A=2(YL]@90EMQ+T.0288S,8:^>,A*=0!8AD[NFKHN3!Z M):-*171B+;>08@MI4"UL[.,72Q4B#H@HGQ3H28M$^8AJ)1R8=66K)U0ZEM[U MB#3!U6Y17PJ])DU>U+M#^?UWEY/QZQ_"P2D2I#WLBN)1>@V7BA0J!ACG7;'* M /713.QJD2HX#NF/4WH)*X3T7MH5NX4<(4O>Q%/;1*TI+#(!)?;<+<\I:JB".#ZCL2C-(4"P"MNE0J(TJ/:MPDA<"+'8P&^&F<.[-L%9$'!I7,(@>?0 '|((%0 M4M\3#BO'\5KG:Z,332%K)?,VD5!(DU2&,,*5\04@8,EPA;56$6= M"!Q-(:IRI;32; . T_CHWKFTCHH)\B%%G$Q>&)N2;3%FA.9U0.8*S","V MJ18QDSL@1I\VJ"Y/RB>:Y-)K5^4=UJNZGG"R()G*(AJ(*HB05%9I/>U($P(RRP<"RG]Q&P9O].M<28HHJT);TTNXCW(^K!6,IBL@, MT]D>4 (5OBQ/$+?7"W:K%Y_ P!-5OD#@ZZF'RYHD'0Q&Z/#FY.]*^K8LGIS> MD4EH(UMG)TPR6F92"2([+&$J;R7\ZNH$:$2R+ $[,;[J3Z>7](ZJD=[@)^-^Y<7 MTY.?80\N@#H"K:9A .U9G(KQK'U&XFS'>*N;UZ)R47 ;C+=03\RO, TD1YX MM2PU<.8K.1M,.38;PS< A(YV)LU.BM!\@XN8Q93FBW"6O&-@M#U7H:L-=8K M4\\DQ^*]@?6LSVA/P^G@XK^NX=L7P%7B?<.7%W"4R!'D=*4JQ\0U9GR M=A.^K'-\M#$C@-!,H=0YU_&LG2,I M)/.]?&+E:!B$>J& $BWOI7=YTU\[0LHFVW4+@3#!%*%3=@#7^B5F-/7LC:I+ MR:A & %4C W?HT+=5QI.&$5LPGG>4NY= '2ZUV"E6/$MQO*P!-/+*=WU=VL MC3<0?0<^2J8E:-@OA_IPU6OMYW"&R@.J>Q,H[>=Z9[;-2%,."88.[\^#5-=PG5Y%)&T:Q?-Z!Z4BN'4[05O>9+9 =7)*$*$Y6" MJHQOR>9."G/)^# ,F?'HCZ3Y(VG^=TE#2KHBHG-9E$4Y)+0'T#&^.!43)(#< MV6!<(_>YKV_#SJ?17/D5?P F6,*3Y5?29K?YQORV_+3:'B\ 4-]+O]*6+II+ MD(X&K^>]\DM),1#=FC^T+ER,+N=EAL@J3P?P?NE&PO=V]R:W-H965T#JPMV[,U<7NK&Y*N6= MH;HI"F$V-S+7Z\M!--C>N%>KS/*-T=5%)5;R0=K?JCN#TZB3DJI"EK72)1FY MO!Q<1Q]N)DSO"/ZNY+KN71-[\]CU$Q\^IY>#D V2N4PL2Q#X>Y8?99ZS()CQ MM94YZ%0R8_]Z* U'YSM\>12U_*CS?ZC49I>#^8!2N11-;N_U^B^R]6?*\A*=MU^Z7UIYV,AY0TM16%RTS+"A4Z?_%2XM#CV$>'F"(6X;8V>T5.2MOA157%T:O MR3 UI/&%<]5QPSA5K,%3!3Y[]6!U\D0W"NEC[I K&O!<%V,+*0SS2AI M)=UX2?$!20OZ69>/. MU;&3-SXD+Q-&OO>NWHD-,LO2M3&B7$EW_:_KQ]H:I,F_]SGO94_VR^;2^5!7 M(I&7 ]1&+?*-(!V7=!K%9W1('-TV M1I4KLIFD$HQ4^(!*#B@A'%86C])T,0D<)6>-*#>T I(6=/$D#N+S!2H6:*K$M>B401;73VY3*UG1Z__!;?89DMQD)%.=J9>1*6.G%4,J72Z$,/8N\D:27](XF MPQ ED.>NFLN42EV^_]J(7"T5E'CINF(//(^7AU\AWVJ]&I-D\)6FLT4P#B] M.0[]%KECUW]ERFPX:4VADI7(HLKU1D)L[ ,L8OR:Z/LAE29(+O0>JC*15D/ MZ0M .P0.N\66=VCNR%Y#(]E-I1*1YQMZAA#2SU G$ DCY?N-%(8J:91.A_]? M-$5>Z\Z(:!S$LTD/N$/F>PR/ 1=VP)6OSO:C%$7!+)H?#])Q!7&G '(Y$)PG M6Q I508#09MMI-AIN#^F3SY<=PB2CQ%GZ-Z ')!W)#JZ?!,;5X+O]Y2@JCEA M\H9CI$H\8R$,^+,LV46##)<&M(BL?&$^60+O' MDX^M'Y71:9/8SI]W%,UG^%V,\3.=3+G*X_#D'BU4("&<)REH MSFU7Y_??S>/H_ ?VMT3_HT)Z MAP'P#A=L^6N#P$:!5<-+*5NDD36-7(0;R;Q/;!Q&$_K49GA MVV*.ZP^(J^P M\7#]M=9_AJ<\^/45Q1+>/7N+&@[-BT; P+(6@N3UHC6AA[1FT0J=PIREYW$ MTKI'PE?]D*Y=8N_K8M,@C.)@O)@<["'2N ;,0SI%?:!;UW4CX 4U%7>-C%- MFD35KN"XD%MTL=76<#WE8S_\K3/;'Q'JR%MD#\V$:[3;@WO#Y7E+X(7'ZEM:%TC=#/]?XCV,?N1 MG"Y#XR":AT&X.#@+=U%;-IPH?P*\7TOZV?7GZ5O0N@;&I?HWO.&AAV2JHMM> M P9=H:S%_#AMV?SQ;#MG;C1BRX?;;C"V3[K58MOD^&8_Z;>$O0P/X HF00GJ M2IL^$::@>R4%>UN$O:6D1:PWLQ-I+%Y1>\M4/ROWUTK;/>.% RJ"QYIN=2GR ME.Z'$_ =E*LSAY4GIMW!(J3QAB& MVP\SSME4N;[@HY6K)YFK3&N'M$@RA1"Y^/ 1&+<@&A;;M>.'._P>*2&5JA46!$2N<<-&4"I?!:%'YY6[:MR<=, MUKU$G>VK;C!#.EC^B))V-H[ MKK\?]-F5KDA3+\GMWHVK<9[-GF2W;MM>>+B)]"MXMUQZV+3Z:W= M>-R4HN!Z _;U[,=O9D'BM=7W!QX397U_MWJS +BG^Q++&SW;7_S>"S#>7RE8; MX^ABP$CR'JUSQ5M'ZF9%5V?M(H[GPWWO^*/>1YE" C;^]%23"Y'_/M/=[;YN M7?N/_J_D_M,8RF"EL!/D<@G6<'@^'9#QGYO\P>K*?>)YU-;JPEUFKG\S 9XO M-0JW/;""[IO?U1)02P,$% @ RH-G6;JQY&=L! +@L !D !X;"]W M;W)K&ULO59-;]LX$+W[5Q#JHD@ KJUORZEM($E; M;(V"))T>UCL@9;&%A&)U)4G/S['5*R8R>Q7;WLP38YY+QY,WRD9[J6ZD&7 M (8\U970,Z\TICD;C71>0LWT4#8@<&4I5QW>_EAK7?&Q&:RD/+!3JZ*F>=;0E!!;BP" MPY]'N(2]LD!(XY\>T]N&M(Z[XPWZ5Y<[YK)@&BYE]9,7IIQYF4<*6+*V,K=R M_0?T^206+Y>5=M]DW>V-?(_DK3:R[IV10^CKL.&2'',+>(72\NT". MY6=FV'RJY)HHNQO1[,"EZKR1'!?V4.Z,PE6.?F9^C>=^)7)9 SGY)K4^)3>@ MR%W)%$Q'!@/8;..\![OHP,(#8!/R70I3:O)%%%#L^X^0V)9=N&%W$1X%O(-F M2"*?DM /XR-XT3;;R.%%!. "^,"6X6.F7),E?YPMM%(KC[_?R[>#B]^'LA3G3 M#P9M _!"D_J U0.H$$[0!RB3=5&VT]#8(M984W]JM]-K@O M%<">-L@U\MNS#/"L#=0+Q+,'OC<;'.W&HC(=C0XN1(81[8:"6I*X"E'E\%U M6X-B1[JSP?4;LK^1$Q*$=#+V23^]]#^.W"2D?A Y8YS0,<*NJPQV]9H@Q0P4=I7;)S2, T0)";IA$;!F&9^8JVQ'| DT!K M&$B71 M76'VW'JF+\)<0,Y:#=;]N8-E2.#WG>!.N/^7;B_[7(W,'XAL;"::Q#1.4(M^ M2A(:IU:+"0D"GTY_\4RN 5\JGAN$\YW45K!\=XE"6HBFY DS=!C0@(Z2<:; MV4%?MF!JT/8FA&E,L@PQT1I7X!3@Z5'"E[9HUHAH'S]D81!^ M(B@[I!F&P5O+X%X:5F$@%$]/AUGF-,XP"PCFF;!KLD^1[DI W4O7:6P_X8-:9%7>5N]]\= CN:-%K@@LE]B<8-_2 M5@4I\07 =1"OY(F-EXN&(%SB2;E_&H&!AJY0**>&B><-/>WV]J7B6K=(B N; MDNC[H#4WY6XI]F1P*+?NP5B_?JSV[^W.FX4E-[QR2)M03N<5:S0,W_MS'.WT M,/B$KURGIC$"(G7MS-:Z;0;/NQ[H97O727YG:L5M,%BBJS\<)QY1777638QL M7$>TD ;[*ST" !=!P &0 'AL+W=O%L94@WMIYXFJ+ M(@^@2B7]-#U**B%U-!F%LRL[&9F&E-1X9<$U527L^@R568ZC7K0]N);9%%#L_ Z MAG58HXW2%_K*\N[I&/)987:2:/!8C&.IKW3LZ&W#P;?)"[=SA\)#-C[OSF M(A]'J1>$"C/R#((_"SQ'I3P1RC(?<$:=2P_<76_9X?8.9:9<'ANU'>94SF. MCB/(L1"-HFNS_(*;> X]7V:4"[^P;&T'@PBRQI&I-F!64$G=?L5JDX<=P"Z M!*"_ ?2#[M914/E1D)B,K%F"]=:,YA(/ -G@T//DJ7*>,:B_!C.G-D^0_Q\[&06\;AXXR^24Y=+3(<M1]P%#NT"H\F;5[VC],,>O<.[W ?^[/EV()^VQN^@UT*N"T15SUT[&J;& M6LQ!R W.A##J+2(X4*S&ZC:0J,O-'"9"*L9VJY6M!]RAKL;08VH=O]0QMJXM9L9Z8@%%HQ0LA&I$V[6*QX;0&2N9\XAQ%$BX[3 P M$A=6, VYH)NMH;:25^Q%FMS%,,?I?M3ZX,0UU95*1QH0[N^:VL6,HP;3U9@ MSE(5*1(-PFB$)F_RY-#Q/C)02?WO@UI/& 6UPI+\ 4.^X 5SR$';)6Q4(X M; .20[[$EA78> M!KN#S#2:VNG7G79OQ[0=F; -VX?G4M@Y_[- 8<'0-'Y_&(%MAWF[(5.' 3HS MQ.,X+$M^_]!Z [XOC*MQCOH7M3)+U!+ P04 " #*@V=9E+;Q%D$% 4 M# &0 'AL+W=OT\1 DG98@+4-DF[[,.P#+=$V44ET23I.]NMW1\F*TZ9IL" QD;Q[ M[KD7'9F3K39?[$I*!W=MT]G3RGDZBR6[C6BU7 MCC:FLY.U6,H;Z?Y87QE<34>46K6RLTIW8.3B=('6'9\GI.\5_E1R:_=DH$CF MQ^AQ65].@)D&QDY0A!X,^MO)!-0T!(X^N .1E=DN&^O$/_U<>.LZ M^4O5;G4Z*290RX78-.Y:;W^30SPIX56ZL?XO;'M=7DZ@VEBGV\$8&;2JZW_% MW9"'/8,B_($!'PRXY]T[\BS?"2=F)T9OP9 VHI'@0_762$YU5)0;9 !4H9V; MW<@EIMC!9=<7&#-U,G4(3,?3:@ Y[T'X#T!*^* [M[+POJME_=A^BH1&5GS' MZIP_"W@CUT<0APQXR)-G\(QRMCCQ3^)\EJNM7&J6\+?9W/K#/;$/T^%VZ,E M3Z/1=W)LUZ*2IQ\$*PTMW(R> _JRL*WSW!-1J[)<^@OK57HY5:H1LP;5-$&Y*UH-OW9 .![<2D*U M4G(!>J17RTKY<=*+](@&@G[!\BM@Q4FW&D03:,K)(*SP^J-J23ZZR@4*ZT% MQ/14NDH>P6?T=8'QB>[^S:N"1_E;^U?UC.\%%KO[V2UH?$"GQ8+54GSOR"- MO*6A@YGNK&Y4C=SK/6T, T>-I=!(?R_F/OU#O()/J=Q'3_E[0/N,4 =78C%P? M$4<<^E[0Y5:/K7&,7[DTRWOLH!KGDZ&RDA>T0^0&SH4QZIL,[$J+A :81U1H MK-94.>(S*AB]4 X.&FWM(E:WLIN(SV[7=L_M/I5C^\;3V#?FG$V# R.@QW #XT/?O?D7J@7?%X9*1_- M2GABZR-^RS_9"7! .MG.L6EH2KYX%= \I:$:P[-2<'!)Q= ;B[G# !\O@Z$! MU$,#O :>L3S/2,A9&7$4HI#E<8Q"R@J>XP]_65Y$).0LCDB(=]#4(8LS1*(.2N2&. ("S4) _"(%'F>LB$-(8@;*>-E$EQZ M;7#B;L<4=7B6H\(OY?)HD1Q\1+@>>D?N-9US5N:$YA>8S3SV*[9C?UF0GXX M\NR3?(:SQ=EO^O&=K(9%M=RP0NZ*#LCS7VOQ"S*BN\:(LHYIHEC90N,/QU( M"$^"KJ7^(_8WRGB5\1QSEN; HX@:$FO9H;]- RK$*P1+M#1T)<1)@LT1(6NL M3EX$9TT#VE?C8>P,KI ;BS&349YA(?/@->0%,AYBWI("GGH+3/=>:BV& M[]^C-/$WG>L?;>/N^.0]ZUIZ#^K]>_F#,$N%P[^1"S0-C_)T L=@&GC:9L2B(SC3KQ ,1A_TNY7G2;OX"RB"F(853J#>);*L:] M%-8MRUU;Q8=&K-@IG=6CWH!<'=P/Y)$VQ>B Y,2UAF8X4EV;NEANO> M0Y2)DD*>LHO@BY0!UC X)Q!L$)W;&1*E.'O>9Y==$+^]$8\4,@M%SM?&PL,H M3I E()=TVZ/)Z;4[[O1&:I/B&I^U'T#7"& D-$3@%]#+=465S.PQE((.<' M%T]3: (F!DV!A]@D*RJJ%K]E!#TO4..)5S3$H[S%+'"[.:QR.,>;A8\E*R)<0#E M?]Y,T#U9%X3%?Y?2^G78&\G/09>T11=X>A^^' ^R9 )!FL7"V9XM[3UH_=L7: R[KOI:J6 '$!(HV[CRJ/!%DCDC--XJ MK4:K WEX4=7&I?"=4:M%/;O-?';0'F$$[W_RN&]XM\.-<&O8<;$O4O),C.( M6$8Y 8^1UUWT-TCXC< UI=]@3*RV-2ZDB:D'>2V I6H5LIHP@OB<# M"/;40W(1*[")!'@QO$PL]>!T&(*-45)CE\YSE(B8@0H]'9'P1B*8Y >03J.^ M^L.PL8!9(I;? ' =YJ,%6$/.=7!?DP#V%CQS%C(OJC:Q/P@M-//79^=GEW]T>+M8/U'RD!BKM M-,H1A!.X$FIW2Y$TA=Y"7W/-HBRB$/"*,TVCZ@$I$XAWZWT$-'C(& 5&5PXL M%N[%,B$L+#G<1%EO*A638&[1<3N0O@WP2]#>0:P0=54SI^ .8GL-#B\,G)-X MA[.0?W*4UO")+;A%S),*J-9#%>)\8!)(8RSK4 C'0)^\#CJE8,A<,[#O_+!S ML4QJKZ]%W.!:$MU!$.N7<+C?:I$"F58PBLV@:WT?J\ N.D74ESB7S>:K;%7 M;9'\I&2"]Y%S1&?8AE^W34P5ATR5JS(6/762O)IAR#BU6P)#A!F@DU^!!^3] M^D[*64(#+K%4!T3"1? FV?CH5Q%S&.(/VY',)PY%]HL9^X\$.]AST05TPCR*P MBD98">Y/4MI'$HB =$"9;D8(L&%R,\KU@0PI'KZ.)PO>3410P:HZSTN*:12% M/0+J-#;5FOV3 MO=CQX#W&X1XRCV1]#^C^0#7Y-%>33P^6A)\;V4*.8/&&T*]>%&CQI@D]?&RE MK];\MQ .:;F*A0,)I,T3=9RX46GWE=449NLVV45HR&9X4E8'P6-(@:+1Y^' M=T/QR]75QV->GJF'B!),CXT$MD''!4!_)_\,-0P@$(6"LQ$1NU6SU V\._GO MH;B.M: NA,A!3#O"A1R4&GI#K$;!9%8?%N4AP>3M%(($1>KS8 +5" OMB7)9 MTG+-:-LZFK3-VT'LNG+)A"%TFUHDV^DXW^B!( U8$NWBMT(@SJIN;EI:T*( M@LZ9:!+8^J-MPCE.%GLRK(>EP*&QM,J&X2BU+5HKKIJFQ?A=3OXS(Q;J66,[ MY0VB4@"49PPH\'\$ M=EGT*T+,0J@(390^"-5UX8+T_Q6WZW$G$Q9WVUJWM9MZP3:K&#/1(1<$40.O?KF>PD-/2#4\)D(?4-8EF. MA4P*>?RK&X92J71.2M4QY"Q=D@QEVR>?4/0B6<2F M!$OL4'Z]S/GU\G :#$WEM\"TA-=[C]N^CT*LPN\SH"^ MA>7.PW;7L62>;60RE5QBTG6VPR1.XT&?XJXHPKBD(6Q@S<3$]7^K1H3$VP;\Q,G,[6 @;+7<4$$"P6^@B%OH7E-- M$GR0*E]C0PT-P3-6CL6;@N$ :E0,/G2L+4+$);*K;:-MV M 4LCI0SI#"Z=285TXQXRA2Q4%4^(QE@0EO:1;Y.*ZYC.75%W%<].! /R'Q,%2 MS 3Q191_14& X4:!^W/3"-:;VDDJYNYX0,!U);500VOI\!88?DU;SI@QTD=W M0YY4[.-4,#84>"'&B:(F(G?B&*0@!%7:!:.I?,MY.,3?BL'81(.$+?Lc">-JI MPT@54.(+D)9133JR+]]%FJ1\G@]%XTO+QK QJ;,)U=QK:T(IF7H%5DWKD SB MZ#U51|')SB'$L"SG ">'0S?MJUYU#6R=% _RX"I+1>-++=TZ/N[FCXI#Q, MVSX;*ZI2QBVM)P-F5T-YZZF]3D=P;+J'9'$\R^+YP:U<&QAJX[N\%4]-;K7[ MTB>8@3Z;\H<6]*H0$,!%ML/(7+DKF/-);R)OE7DR:JD78@&8==]"0T%Q+2N MZ4 'X=.N'H6 _*U/<:@?,56Q-Q*.ET%ED8!.O@Z"&@*'+V"YCY M>>H&QJ,3$2ZWI3LHN9-H&$8!&U'BP-!TPR B/Q@&RV)E;+V%'>/%%XKT(<1' MD:B_2;>$4>A68*B 'EC]SU3B#G_L>!Z\H&I7M?&R5TP0MF:+J)*N",D<\2Z3TV+.=<# U&IYU!QO?Q]SC?*JYRWE$>E!9% M\[69,'QAFD]'3PI5B< " M4$E=!P099\6EW+.#$KA+K??WN?7>;:=7HC] ;[=[4-Z<>. 4)-SFV;G0$!F0 M4>2EPPO/-[AV#F@)BRZ4"F=-5O.=1;X+$WCK^@NTX#14LWZN8D-WQ<7#!7%=A!/>1&*&I?.*SD9'.)'=DD_1BZ9>G9( M!^-:SXK.6V> ^?+30J*$W[Y&:$-R#IBGNR5(-@T\%UL+\6)LE[6B:>XN/@Q' M'C37-'O&*U)65<$U-0DEL1]_4C.X,0[G?'FJR!\MR%V5+KKC,G8.ZDF!DIH MW\PH1!TWH6@\P>"^L)I;R3Z<;+BW>XM(#K1VSC)07U(A7)L M+/&54R88K:$K#GI7>&WPI[L'Y>(+07>7N;6!/$&U;&8W4G>9@EJ=M1D^-& MEPP>(B?QVBLM'D^8BW*NP0F94X=L*#ZB*+71['*)GEYO74'_ 1D?;NR4> _^ F M*^;#^WSA(I7)%(X25Q@>[G, T*P;%M*Z6<139X);9*]IR#;281$HMMY[]= M*@!AE*3/@N<;BV3A,1D!)V?[BQ./D^A%WN+725RAW>T,7V^WP?- *P;S*H M1^^N[EX?)V/I&2@^+[EE"CSQ^9BIGXPNP>&,W?LVMS@??3(P+W'^;'1,O%GB M)VD[C&+$G":^*4X+Z>8)WPQ1&X>(E2"A=^X6 N=(\#8MOBF_8LD$7&H174#-Q5$!IJKX8YU(% V0Z^ XWA3(')TFNA:Q_T&+^'9;0 M,?A#1@!6KFI MW@P1F$<_SNZBD-7.5@6AU/05QJ![>R!=[&?7: UIP[0Y:+2 MAMXGG]#N#9/799CLPM5=$=)+B>Y>VDODI@S0RK2W/W"GL[RU\H4!,+?T^##' M#R>A/BAS6OS:$<79C' 3R7WJQHC5^'7DMWP\/3#]+.J)M4JRFF MCH:7%T?AU"5]\6;)OYT<&X]*D#_. 6J5I0%X/S(MO$++9!_3?OJ_P%02P,$ M% @ RH-G62@[&"/:! W@P !D !X;"]W;W)K&ULS5=+;[K5Q:N4;0 $8N4J$>:&$BS!?,QPAM\,OQ^IBSNEOYJ-$!9][UII+B<;:[?G MTZE9;43'S9G:"@F:M=(=MS#5]=1LM>'5-^K:*8WC;-KQ1DYF%U[V2<\NU,ZV MC12?-#*[KN/Z_EJTZNYR0B:#X'-3;ZP33&<76UZ+A;!?MI\TS*:CEZKIA#2- MDDB+]>7DBIQ?,[?>+_BC$?7F8(Q<)$NEOKK)^IR$CM HA4KZSQPZ+Z)N6A; MYPA@_-/[G(Q;.L/+]\>#]K8\=8EER(^_J_.I[.9R4DQ0=9\U]K/ZNXWT\F4KS*N+J84]G>5TU?N_#O[I$_Y+]!&<;@QZ(RM1_6@_!:PC8#H MOJ8G'2[$]@PE,48TIND)?\F8@,3[2_Y+ GZ,'_UUM31>_O>Q! 3_Z7'_KJC. MS9:OQ.4$JL8(_4U,9B^>D2Q^?0)]_J/3WF?+4(M(;5&0R WC>%UK47-K:C0 M%AZ]$ZK6?+MI5KR%5;4O!EFAA=KIE3@P/1;V/!_=>(KN!A*H6*KZ1-;*> M/!AJ."!L#*H>@MSJQ@=2'X+5>[!F!-M[.8]N-UJ('^B%@!Q6=$LX,F!(Y!CB M:))$7\X69^B]M$)+[CX&X/M666B?4D0O?11J9V!S\RIZ]QA6=&4:CIZC%* M2NAK&*4X3GFKT1@I=WZ-& M5E!\NH$MP"K!65Z&05SF,* 9S@$Z2"BFJ5";W<(76^L& M^,!*G"6QHT691I*B,,8$2BHLT^35Q_0YU\G]B)N"+/;YQL-=!MPABEX^ A.X%7K"R';D\=1LK0/N0HG$U]LZ$[D.:0ZM ]P=(\Q1E)AVZ0 F0ÐT8<4H#M-'YSFL=FPBF!)WC@D0(2-.UOOP!UFD?A6# M!.QG[V)YALN\V$@,_L+]*]RD?91\;OFS;QC;"'+MZ3NYW_JY?7SO(*^5L/=J#\O=3W/5,;F\]W3) M7X-Z@-7N8:%]I[TG6"]=37>AIL7CFO;OD?/HFK=< D\XA%Q5C:M<@VY$M5N% MX5[_L)#G1_:/;L1:: U[G2(=!1E_G;)"M>_A!&#[^0KKTMCUO/D:(0_87Z4M'M.#-R24<>U?UBZ+.VG#W.4CH_WJ_!FW0N\%*S"_SW(X>1U> MTV%BU=:_8)?*PH/,#S?P!T1HMP#T:Z7FL\$;G'IJ9Q\4$L#!!0 ( _J# M9UFJJYO D0( '@% 9 >&PO=V]R:W-H965T/2R^;MWKW.YJJQ@DN\UV":JF+Z[1*%VBZ\R-MO//!_M:=U&D,UKML$EVN_UO28OZ%$*7J$T?$G0N%YX%]'L,G7Y;<(/CEMS8(/K9*74 MLW-NBX47.D(H,+<.@=='R@EU_8:I?

H8.+U?"M%_8=KE)[$'>&*NJ73$QJ+CL5O\Z^P\' M!9/PG8)X5Q"WO+N#6I,7S+)LKM46M,LF-&>TK;,51(Y+-Y2EU13E5&>S6_F'-MTBK-T<#G1[82:,[F@25D%P_R'"K++#XMSX@1CVM>$_KM,CX)N,3Z')+0ASB,TQ-X2=]FTN(E_VGS#:ZYR84RC4;X>;$R5M.]^'6LXPXP-M/0[HM#(S-G+6'>0+1'62!!,N=S,!C0"B]4*=3N':\QW3N0/W%#<9)+!YUM) M=:HQ3!;F,/# MG0Y+6K.A(&/${W\<)B2$:?^.!D.GDBAP"746N5H#$2Q"\; MC^72\:T@%%@8R\#H]8CW*(0E(AD_CIS.Y ("7ZY/[!^&V"F6'= X+\7?O#3U MTID[4&+%>F&^R,.?>(PGL7R%%'IXPF&TC6,'BEX;V1S!I*#A[?AF/X]Y> &8M^{!\A$= ..@>'0TJWS'+$5@LE#Z"L-;'9Q1#]@"9QO+5%V1I%MYQPK515%]E MGES8"-8:8&T)[W-!.KKA6?(H85YQ0%V)9*OR'/X4&V MIM;POBVQ.!7OD=!)>7A2NPXO$FZQNX'(=R'TP_@"7S1%'PU\T?^)'OZYVVFC-MZ+OY]USH(W\GMGVTJWN6(%+AYI%HWI$9_7F59#Z;R_HCB?=\27VU79L(9 5-M7 SAG.Z+S.=U/_OH)A\XI:F0U*+:6#&F1JBDH$[G[?YV1N4RV.Q0#35[A\5Q M$[CP36/5BYFMHRUF!()7.+OZV!*[#5YT->S>V(VJA_[E[?0*;DG41I>0Q3' MKI]&=A7$;IHG\.,5/ S"M[-UST5)[C6$J9L'1)^X<1:1!"A"IO3L@14U14WI M^S6.(,_<-,D@F"=%.40P1\0G$#WLNEZ0^*2'2[U:R\H0[7 MLXMU=*&E9G\,,+&R\+3>K(!/#,(-S'ZSW8N0!]/;#8-7T+?2M&:?/=#K-[KMQ M9#V,CX/_@:D];S7%6Q'4O\D2!]0X3,>-D=TPP';2T#@P4 !D !X;"]W;W)K&ULʔ51=,]HP%'WG5UC9-+52U'P12AE$@K;3^E - ME6Y[F/9@DAL2U1^0[93VW^_:@8Q5E!?B.:]]S[KF^'$^W4CWI"L"0%\Z$GGF5 M, :?ZOC8@*24BE.#H=H$NE% "P?B+(C#<4_6Z "-W,R_R]AL/];8R=B/(I@W=P_K,]V:I, IZEJ+F(\0M!5%0 MSKQY-%D,,;Y+^%'#5A^LB>+63#>Z*F1=:0< @-Y:!XN<6KH$Q2X0R_NPX MO;ZD!1ZN}^Q??._8RYIJN),L9UV8:N:./5) 25MF'N3V<$Z22U^!+IEVOV3; MY2:)1_)6&\EW8%3 :!%]ZJ0Z.X6MBAK(S"TQIQ)IOGN6JA(+:.+[D M';XE?76]$2H*XAJG3)·?\[4V"O\=OX^UW#$.CS-.QTQT0W.8>6@)#>H9O.S3 MAV@4?CZA=]CK'9YBSU;HP*)E0&1)WL[IF-:3;,>U[FEA/_Y@W$AN(-\%D3^P\[%#2@&S8N;E_MLO2/HBH78'-YTK1 M(7 -^B&ULG55-;]LP#+WG5PA>,31 4#0.1]L,9"D&]9# M@:.+IML.P@V+3L5!}>)++<#WUHV3'2[$L*:Q1(E\?$^BZ-E.Z4=3 %CR++@T M\Z"PMIR&H4D+$-1",ADD,[]VIY.9 MJBQG$NXT,9405/]: E>[>=-/]@OW;%M8MQ FLY)N80WV2WFGT0I,E(P)D(8I M233D\V#1GRZ'SM\[?&6P,P=SXI1LE'IYTQ0#R)'"#BDUB%0'}@!9P[(*3Q M\\$,V10N\"^1__DM:.6#36P4OP;RVPQ#R8!R2"G%;?W:O<9&CTCAY=2+1+RFLRTVA'M0'-3;Q4 M'XWDF'27LK8:=QG&V62EA&63]D:0F5&5DI:)K<@4P:&G# 0#0?3G846<[F(M,%UPES5N___<*W*+2(4A'V4&V>OX$#FV1.,]T65\$G_Y0491#T21 '!P!-Z@ M%3[P>(/_$G[-3,J5J320[XN-L1JKY\>Q4ZB3#(\G<2]J:DJ:PCS )V- /T&0 MO'_7'T(",WHN3@A%%?]RMEC$14LN+4 M&)8S],%U6X 3,11G&;6XMJ2SXJK*,(,H*W?K#0\F4UYECJ4D"BEH?(%:(UG,9US:.,W(YB? [C*,W0S2A M<6]\U2?]WN@JZBR$TI:]U$>MY<>A3HGH\L)Z>(X'L>DVWE0>(BO#O-XW!GF MFEP-<.SW!L,.)59IX4'$"WOB\:!*BDK9M'N]JVWD7=]/VS M^10_=ZR_XI2A*:2(_.Y:UE8"MFE(H*!.]0W9#)X%%)*@W&[;,6&I[FMTXWMWDC]I-#0H ) M;>>A? ^7=2_3(=,&E 8&YA097UQ,/=.?N+B!5MXY*%%E_MLO2/HBH78'-YTK1 M(7 -^B&ULG55-;]LP#+WG5PA>,31 4#0.1]L,9"D&]9# M@:.+IML.P@V+3L5!}>)++<#WUHV3'2[$L*:Q1(E\?$^BZ-E.Z4=3 %CR++@T M\Z"PMIR&H4D+$-1",ADD,[]VIY.9 MJBQG$NXT,9405/]: E>[>=-/]@OW;%M8MQ FLY)N80WV2WFGT0I,E(P)D(8I M233D\V#1GRZ'SM\[?&6P,P=SXI1LE'IYTQ0#R)'"#BDUB%0'}@!9P[(*3Q ML\$,V10N\"^1__DM:.6#36P4OP;RVPQ#R8!R2"G%;?W:O<9&CTCAY=2+1+RFLRTVA'M0'-3;Q4 M'XWDF'27LK8:=QG&V62EA&63]D:0F5&5DI:)K<@4P:&G# 0#0?3G846<[F( M,%UPES5N___<*W*+2(4A'V4&V>OX$#FV1.,]T65\$G_Y0491#T21 '!P!-Z@ M%3[P>(/_$G[-3,J5J320[XN-L1JKY\>Q4ZB3#(\G<2]J:DJ:PCS )V- /T&0 MO'_7'T(",WHN3@A%%?]RMEC$14LN+4 M&)8S],%U6X 3,11G&;6XMJ2SXJK*,(,H*W?K#0\F4UYECJ4D"BEH?(%:(UG,9US:.,W(YB? [C*,W0S2A M<6]\U2?]WN@JZBR$TI:]U$>MY<>A3HGH\L)Z>(X'L>DVWE0>(BO#O-XW!GF MFEP-<.SW!L,.)59IX4'$"WOB\:!*BDK9M'N]JVWD7=]/VS M^10_=ZR_XI2A*:2(_.Y:UE8"MFE(H*!.]0W9#)X%%)*@W&[;,6&I[FMTXWMWDC]I-#0H ) M;>>A? ^7=2_3(=,&E 8&YA097UQ,/=.?N+B!5MXY*%%E_MLO2/HBH78'-YTK1 M(7 -^B&ULG55-;]LP#+WG5PA>,31 4#0.1]L,9"D&]9# M@:.+IML.P@V+3L5!}>)++<#WUHV3'2[$L*:Q1(E\?$^BZ-E.Z4=3 %CR++@T M\Z"PMIR&H4D+$-1",ADD,[]VIY.9 MJBQG$NXT,9405/]: E>[>=-/]@OW;%M8MQ FLY)N80WV2WFGT0I,E(P)D(8I M233D\V#1GRZ'SM\[?&6P,P=SXI1LE'IYTQ0#R)'"#BDUB%0'}@!9P[(*3Q ML\$,V10N\"^1__DM:.6#36P4OP;RVPQ#R8!R2"G%;?W:O<9&CTCAY=2+1+RFLRTVA'M0'-3;Q4 M'XWDF'27LK8:=QG&V62EA&63]D:0F5&5DI:)K<@4P:&G# 0#0?3G846<[F(M,%UPES5N___<*W*+2(4A'V4&V>OX$#FV1.,]T65\$G_Y0491#T21 '!P!-Z@ M%3[P>(/_$G[-3,J5J320[XN-L1JKY\>Q4ZB3#(\G<2]J:DJ:PCS )V- /T&0 MO'_7'T(",WHN3@A%%?]RMEC$14LN+4 M&)8S],%U6X 3,11G&;6XMJ2SXJK*,(,H*W?K#0\F4UYECJ4D"BEH?(%:(UG,9US:.,W(YB? [C*,W0S2A M<6]\U2?]WN@JZBR$TI:]U$>MY<>A3HGH\L)Z>(X'L>DVWE0>(BO#O-XW!GF MFEP-<.SW!L,.)59IX4'$"WOB\:!*BDK9M'N]JVWD7=]/VS M^10_=ZR_XI2A*:2(_.Y:UE8"MFE(H*!.]0W9#)X%%)*@W&[;,6&I[FMTXWMWDC]I-#0H ) M;>>A? ^7=2_3(=,&E 8&YA097UQ,/=.?N+B!5MXY*%%E_MLO2/HBH78'-YTK1 M(7 -^B&ULG55-;]LP#+WG5PA>,31 4#0.1]L,9"D&]9# M@:.+IML.P@V+3L5!}>)++<#WUHV3'2[$L*:Q1(E\?$^BZ-E.Z4=3 %CR++@T M\Z"PMIR&H4D+$-1",ADD,[]VIY.9 MJBQG$NXT,9405/]: E>[>=-/]@OW;%M8MQ FLY)N80WV2WFGT0I,E(P)D(8I M233D\V#1GRZ'SM\[?&6P,P=SXI1LE'IYTQ0#R)'"#BDUB%0'}@!9P[(*3Q ML\$,V10N\"^1__DM:.6#36P4OP;RVPQ#R8!R2"G%;?W:O<9&CTCAY=2+1+RFLRTVA'M0'-3;Q4 M'XWDF'27LK8:=QG&V62EA&63]D:0F5&5DI:)K<@4P:&G# 0#0?3G846<[F(

*ZES; T#TKSH;0 2@NAM A*BU&T M_H3IS%[&7G'!PZ"N+Y0V@]\(*,V'T@(H+832(B@M1M'ZDZ5S?9G2*%/M1VHC M>U_3%N[WA'BO7-FU35!S4X(32/"C-A}("*"T\ M,[ B:-)8EE2GU@GCGC66)%-OC9/=ZGU>\FKINB:W29ZO>*Z^T8;.DE#:#$KS-MH#0?2@N@M!!*BZ"T&$7K3Y?.E&3V:]fH(< _O5>Q6^YTQONB=,=77R%PU2=^&;(90MW$ MEM;;P.(Z@SL]$L(I86207 =C8JOH9!T5-=$AR5&E=9_%U5GZ^G?9^OIDEV$ M-JMNS07%J=;^0YEMFY&ULK9=O;YLZ%,._BL6=KC:IM_P+).T2I#;9M$JK5BWJ MO2^FO7#@)%@%F]DFV:3[X>\Q4!I:RETDW@3;G.>QS\\VL><'(1!4"J#)SSSC M-F&E6A>7MJWB%"*JSD4!' ]LAVYSBAG5}K6A>RO&\!W MY&HG^2'AE#XX@YV=*F=,L]5(9AW(80LY'>CAF-B'_L-9)9!^.TQ3@=RF$0,D"BRE2+'],,%B?\$9X2#[CW+U6[F MT>*\Y\,^]9X"&.SV5T%AN-2+[Z/2<@]Q5MQ"%^Z;DNCY(MZWM3>>J.M_;3^'U-M->F6RAWCBF2P1:ES/L5M)>N;1UW1HJC.XANA\61?%5.\K8$T ?A^*X1^K)@. MVOM?}!]02P,$% @ RH-G66N?R@PV P-3!, T !X,"]S='EL97,N M>&ULW5AM3]LP$/XKD1D32!-IFQ&.T5,;*B%-VB8D^+!OR&VPT?<&'.CYL=*EH?/?XGGOLNQ##H#8KP>[FC)EH60I9#\GN*.M_.US/B3=]#V)/-U8Y6Q('L[>_E@H<_TF\O>3=REB"Y]@QZJM=.C?]U!+YP%,LK^.OHF<$+190(^5OY$$A@N-.MFX]/H62F\(GQ#LL.RU9]$C%D(RIX!/(.]@)1:KKJ?2(()<#>,;9*)TSG2,IDO6KM%-L +D:.#Z;P]VH*@;0&%7: M0<[!3$CJ-*PCFH&EG3(A[N!)_5[L<'^+K;IUH&JR'5!!S=#3> /XM]D\]S9M-M[T6\4<4?E?FTL,N1SH9&8[>:%7SI[&71"L#8NS@[K2]Q^BCX3);,+_[@A*,! M7<=%I8%OG1)VS@BM-X*SV)!\@Y.=V"2-)@LN#)>~->=YSN23HX*E-W1B_U38X;?S M,_9Z/?4$L#!!0 (_J#9UF7BKL*

19\0U\PB!P@!":X,($@MM"X.*:XQN.[;H,(3BKHLKG"([UM)?)_5 M5@I K0!@<3X3- HYHSB*(7KC@HJY<,>XD2.OF H<*:,IX$Z7&QTU\,Z[%F-4]$&S&*. MAZ8L!\-&I?-AGT&H+GF@WGGF%BPU]V>PLE'6(L.@$9T&BR")#W!,!(LPEY!38OD;EP_&51]E< M#W6D9Y47 ;( >*%@+3WQV;XGR#@/=Y>1!2%\ E!:*B=<*Z?@=^L/P,IOCT]? MN(Q3SMV7 M*"4X)(.$5F ;.@!8VE*)J "-Y:.P)A5G&US+W'_6=).WJ0= &PDX'$W:66V1 M$1K8#$>),G_!6TR=Y&#@B>+!->><)MWI\!>%V9=(8TO?7':[B.!?. /:1D0 0 MJCE2Q< ?88CI(^"=6GD _$K,MS7D[@WFVYU1K9(D1AM0?[0*))SEJJ4HYZDE M0PU/=.5YXS>AVG+B[_IGOH(U;<=V=F:RF>)->4>2S@>7.=3&@7UG'%"L4 R+ M% POU#MU2:C-ZQRTL=/7G;(;&3A5/"&,$"YBNMA7V[9P M^_L?!+TF]C4XQ%P_R E 4@-AXER>6A(L*66L,HTZ[<(C_%(VLR)-@N.=&$11T MG^X+DM4)PA'CSDILM?>J.'_?,GGVOC)4H%+DNL8*IQSN@7-UTX@LQE%+*PDG M*W=U&/VG:I452GQ/CLDB?Z_|> MM#'.--7&)C:[0)PT6?B!% 3R%#@GVC'DJ#::!BQ9* Y-+-?:+P?QAZBTBQ@)M@F$K9"YF3\!"HY&;D*24S!6''JZ3D[!\^+_L%(S[B5\\QD)QD4|^*&CEJ &_ M>&$0U4$*%Y.-NM@H\B+2(*Y66QF&L_)SDEP6_1IS7H+*64/6@R>2&2D"(D"= MV4HRR##+ND566)(:5U*98_U-Q58UO'"1Q>V)=PZ'>:LHF>TJTD-ZC&"68[2+E M"AXD9>PN.6?)!UP<6"_M"&(JT65@2'%+K472IMR.)%KD+)?("R<M<*(P1B5KF2C 10%-*2 GJF*,\,%_<*><&UWQ>$W+F08%LY\@S MD9MR485<,@(%!2]!>2J2>:6;KNE*SWVCFO&*MG UA?F\(()RFNOCAIRK(Q,R M.AH4+#$Z8!VB*.[DJ]!=6>+9AA=6"1L\8"X+J)U'C$PR#'F-N5%"52MN5 MTD#2>KSV5^I4MGZO_6J<:MY(PC28"E8 L?(4)8)96T1Y](&P7$VL.&P_=(%Z MT.X1$W+G4H%=>N,?X?C3JX7G?M]"ACT7?1 M'XR;4;,/:/3UR*]:-2XKS<=;'A4Q'FDN?97O%0.6 M-?4"7!IXL2*Y%"0BSH"UQQE#5KN DHB886"J*(JKV_ =2.RWX[CX^.YCL1]H MWY#U'-!Z#R"-"88HS3W=X"VR +Q1$"SXF'++B2)Q][-,(K$]R@+_JS/VW^(X MMB \FGR6?[F2FP1O9CJ4]QP@OPC(IYQ_3:-" MN4\[\E$GK"TGYH'F7\[.:JZ8WF_[7L@;2)0 (B51 0DAP%R/+"#CB$-1BA4Z2 MD9REXN(Z[JZ=V04U$#@HUL@['];1(QG)9 MG =LC1&\KYOQ_N2;8+59V.R|^OS;&O3MLVGRXM^7OFI)87]?BW:UM!ME-"D M 193$&WY=(6:B)SEP!3,$RU95,D6%UUP;V]DK$D,,+E !9P+%2R/@ MP :N)O5D(-)U$&DPPJN(A,]:*UB+C H5L0W M488IDRC"?N:A,TBS[',5,Bj::'2L..!<2!WIU7B?B I6&YZ#%JU#7 :"##4$ M=()((282]"Q."935"7()C@IBL<1*+ M(KI?K"=XB+A(S$&@4%+NMZ0)S]7+&,J-35-R,AI77+OB*PB<%],<3;*1P;#$ M,8"?(7"F0>0$:(_<5,!%VK]@ AK++#ZGXD/PWE5AED&> Z+JE#SBN' MB!:&$RZC+J_864D^[D5[M?=[FX8I(E..4($TE@1QX'2PM:) B?EH'"*&.A1)3 MQ]=AQD1-L"<."4YSTH<"D2C[-IZ)2V$-UK()797^0$EX(QD&>=<\(JMR%BN# MW;')8L2<,?F8ADA2G*59JN/@;$Z!7)+I26'M/$XY>)Q9Q&%?D$M@>GI/':=. M@WTS[-#]2>:GV 8:23X)]1AQ2A7 "A^0U<9+,%*)++_UV)I=J RCX8^M!H/PMZF%Z^#EHM_2/^K)P>]UV;H93VV8[^$NKW?._GY>(NE5OH91V!]IL!+C7#IN$]*8@- @.N>\M" WC MF%))8$&+U2]7=UDO IIVHX_U1^M&RRL].'BMU];OC INL,\G+50*Q#TQ(,"X M0E%Y#L!76$^*C;2Y5I[C[]8?U./8'I'^^|-ZH&1%MR,HE$,X0YS2K&>-SYAW3 M)ECIQ%! 8$W&OF1@3/B$O,Q5J$S.1PU6 7N"3K!1<5)>DZ'-KI6SAGA%JGUT M,D<7Y'IRG%J)'$\!X41L(,$[8HH+-B@IQ>Y,O]RE9<%2@P478.ACER-QLN_? M>9>0Y=@8H3CUJR]'?6VYM*QBA]32) A/*#H!?S,3YV'O'(08:Y*&I58HTU M)Y:4U_UVF0?ZJ'Y1DH^@;'>7RGKF78Q)(^\2S3\Q8D1PVLCACI:1=6Y,3ZP#7M^55 A+&L@SO'O$ <4CPZQ842PM^WYIMW%KZV)CZ#/?(N%SR.N=6F8P0L3P'TM3%EMI.8|%5SFORRC8XFXFQ%.-"8 WEP. Z4 OET*"<$**A.]-=H7>R)04E;0 MZEO %9 $E,NW&(D=$D+ZG*3@D.;1 !^3R*T OD[% 9QK=R_:BS#IL.+V1261M[L9T3,KDF8B(2/6GX<1)9''VIT3F%8U>.5*LAKEZA?V=T>CMY""?++5'30LT MV>_?O4ET8HQC:P-'E*96-3S>O A$]ASS",0 M!D!#;JC*4<|>B92H9%(Z(C>:,)8"=80]\%QU'I%@8R)"F2N\1 #WK4>,T1!(R".LU]6P5MA$PD8*TU-<;M2!>:J) M!U%YE7D.Q",C8C2%7$0F9ZP*CH))EH,IP$RYM2_VIJZK0VW;XYQ(]#;U+'MJ M __1-&&W!M4]3Q5[_?K9 X$0%,0S(N(JM/35I;>BI8BC2=$B[%,$.Y)SI#G# M*&+K)(E*!5[<>=X%:4BW*]I_=GWKIYDH@7Y4G^LP_0,CGC3C%\<'HV:XQB? MUVWTDV9YI3S/2>]:D&G_]P ^$Q!WJ?.("Q:K37)>D_3G*(,MJ]@$5E,K,7, M6.Z+ZSAPV5GRY*C=_FUU@6=K I")@Z6!,1+<9AGB1$1)IDL!M4(XIH%& MQG/$4,ZM3@DYI24B4G,#ADX@H5B$<9W^VSDY?EZJ;2.]")Q8;*.+2$IE@!]] MS&'R#"EJC8C"RY14:?M8Q)G>&B+%8:^""[FG%_$N1_4[!(@J(6]L\EI[)<7] M/I%?7[K>$MNOP>9P*:3-_61YCLQC8,=;#):=#))X"_"J.#N^> _0 XC!Y23P MF!Q'T?D>/\ADALL2 3.9<2.IT#'CEDOC:B) LC6EB5%A[Y$4.]DJ4YG91 C$. M2H@2]C6U)3)-*6<>=U.];QU<0170/J?(*A6!%PAP10@*.<$=9R(${(K5>4-8 MX@K"$CDS#I /R,7<Y$;9Y$)&E KEB8(SE,L+[5Q#01QX[J( ZE](36!B;/: M(15<[J)+@9S%$6GBO361Y48-I9':6207PXL\K+-I^;_'SZ XQK];0-8C&YK6 MSJ'=IM;UXH)YYDA$T?4-D<%N,M(:)(4E4A'C/2G6W;2!=9K6$[_%T*"_-NNS02G[UT$]^O-!*+D)*W!%D$VPF)P2PH)01 MX819U-I+QHH,L%@[>%]#2 ,8;TQ("5LOF)B5H=!<*92"([!S7B92;!AL"7[^ M%3FHM*01&X*$-[E"<0I(6R[R88P7--% RTNL'WQ%9[?08,Y#L,@Z;W"+Q C* M+"FD#!::.9:4+2Y$=&5;>$U,O+965R4(9!-CP!INYQ7#)*!^0E30AG\O^"9&H M9L4AX;NL\+:XVYNI=TG]8PE@N$Q9R+A2E2*E"2^_ZE4%PNUN##*D;66P^@ MB4>X+$FCX7#AF$.Z!R#BN8X%^7AA"&/!5C ,4A:IK)> M'J'<4X'M:4!!">##:*XT(TU K7OM"M_-?X(HVC:X[?IUZ9MFT^7EU#?"'RX MAG11[KP1PAN$F1.Y/#@%FRXEI!+!.A%G/"D6'Q;CV#YK^"VK'!CWU"6C)(H> MI C/IT]&.IY3R+6B7'A ?*5NS76"9/,!5&Q/KH"K]YHT^63;%2#X%?E$@W4QM2@>:6H/.)I$C&W5"Q"FN//-*EUDN98U)*VL"Q<$'S'7(S!).=UR;8O&4:N6@( MCKG6>BHV'NB*TFX]|?764R@EG[PF"N"8":ERL"SLI$@$)8XI0(&^C;34[2S;MN;$F!)VL5!',515!SW'T'2!H[7)7;:$)"SB6UQ"C+.?&QF8O"$(M$(!#F,K< M*\5Y9 T#%:*92X(PKN[!L6,ADGLU+3,$%9P!UD$.N!5QK4,^KI4\N%P9"",37&!.<7G**W>N;V:XVDAK"61"21UT(@+++7.$ M&/*2Y\J MS@=80%:]4 S,7L61B$!&@)%9/HJ(*%JJ(G&6|*&F6^$>#=C"B .@(Q,=1IP'MAUR2!$7*K6>1!6N+LX#O@9FSQ"8=0@FK,*@ZP+$!<7B-C L&&:VT,(@A:1.8%1$IJP"[[8,_VIZ"M]IH3GJS3_(;-5$16 M9&/.(9-R/7#N(G*4^MQNG&@L#4VTN,(@!"2A6@I8%0==8U3 *&$L,&91"E(L@"C&=[2:8O*21& (%7+W8Y7# MB24RT5"P2)AQC$LC1)$%*+X7E717;5G7HZLE%2I291#M8[^Q!+9*-"+B B?<MF>!%L<#MO+C:+QRTEDHNRSKBD$P*YTU UK%^6W*O# LJ344>=4R:EEM%:H/Q M]'J,*\E4Q%I2Y*+-R=,| EDXEWDT$FH8$>45Q[)/L9YGD,FM-HH'R25 16X, M(!.?G1P*)&J,(DE, *24MU%K3,?X3]O6%GAX%];[ZR!$X/H8W@)3C^O]@\[\ MC]=X/U^ZUZ1;>XR'ALXJO4KCL8G#?]>K;5'QMDOC5QXI#: >D^(:+#WKD?9@[EG';*).4YI6[JZ_ M-K$N*PY2B63ZR5-J/$P>L($-)B(GC'-6.*S+C51=1UGL*[8<70)07$,8F9)6 M>R'$BM& ^$J@N8RH"3%%20+"UH2AG!9? &":5R MO[) D+8ZU_0TWJK$/:;%)6J5 ?37Y ->(>] XO/@"3+$ M>90H(T)KYD0]S@M7;L[ :GKK*4^U!\B$O.(XMT]. ^=P^Y0K7$1@P 1<6&RA; M@C@L@$+47T4O-8;JSS.8FC,WL%A&J^^|=XA831 MJR.XY:7CE],YO;'4"HD"CH"H)7"Q_ M8;(.&SEI+:(C*##'7/TB>'1IE)'2B%.Y1<&RIGV;=MHVQQ)\)49F7#3W M@N3HA=^F%JZ#E_MM|"_ ^1STY &'C[=$\3/[V)Q %A,>OBKN3(X&9*V1.4U#M(Y<[LLMD=0A6,FZ+-9_WID='HZS[#^O)UT0R:J9AYE3+M9L7E+&,@ZAG^-3A_6E@>+I6[P!P-7:2=-^/9ZZ:S@E:OO]WO/O#>>;W^|^_6=PK3@;>U)^W863-M 7NG[T]B#;T/Z/_^5_ M5=5\/\'_538Y'("W_!]7C$#]O(_84!HL.8L[LV1;9;HAX_/6]Z_G0-[C?JW7U/ M'YVZR='B%DVG8?;CYICK;Q[+MD M#^O1\?8[$&M=]29^JG:;0SM>7#B_$W[JFA9&?O)^2XFC2=5[KY]F"8+ |MT? M;X]BFN2A=4=VO!C4IP.@* 2?^+A]U$;T"'=#7Z6$M!GG10& 4G^HP.=A.]03U M FN-KTLN=]-?%3L\N>A-A^/3_?C)IV^R^X M__?TXME^FFVH:T;A]/3U#>?__LVK=R^>5WOO=MZ]V+O^,EQO]TM=A+T7S[O MOGKWZL5>M?/F>?7BOY[]^|Z;WUY4S[[^_ONKO;U7;_<G6YE%PO6)E_X V1M1,&D&3^NGF]\VZHH%MQ;XKT_O4)!\D2/S*]M^'?(H+EW;2T2+ MO&/1]/-AO+6%""T=]/R.G,LOPR<&2A"D>E+DE^> ;SOZ' MW&JH>CN./WZU I-<'N \BK'32;/8USQH)P\NWPY&MGC9CJ!1WR.X>GL<03C M+=C=^0]\1OM'7003%,Q:, 3.TD%_[T?Y^3" =O'TCW57N]|7L;WX_?PBN"J< MD$?_.)T?]3DO2A[7?2)ZP"9^?/GIRP4\,O>PW/SV9M%\/HZA>R5ZF[Y]@ADC MUT;[YW;_%^4/SAGW@OMZYMK"|"!Y?TKK[6A.+C,2.F'3=@[>^TN!BE:).\ZC MU"^/,5\1W=_ +FQB]?Y5M7=\"!3ZM|>=']>H VF4+I+:WHD@**4H*)*EMA#( MZIP&$TQ*3NC@$UZ6U/[[U+8@6$;'N_&H:2>/JM2TAW;R\Z,:)MQ%#RO=C)P= MC9H)/X2&/1BF6,4ET\OE]M >>%N*(:ND&)N)]LRE5VTD'I_O/|([L7NZW]6 MNR_^>+O[KOKC_>[>^YTW[ZIW;RM |.| IE>$56]W*R)^"#]6;U]6[_[)1?4% MW)^'19:YU>>"G=4MR(F9LO/L79XL,8R?1T\+D0;_9\E]/PV8FRJETU;30YB M]:^%/*AFOLLJCD,,E\'3RYYZ@:!31*$7>226KG618J8X#%ZKUT*2]N*EW4'=*W>|@[(>$#&:T#&1O(^-C4G',O<.||CD$$"4>$38UQ91^+2_!DM M#*<_!B@"&O.2H7%1AO_WL."[W9TW>Z]Z"#R@X[M QYNB\A;X>'(B%18 .;7- M877FWZ19_A;>>.!G1O9P(4L?J-+E0)(JU8!5QM,_J+=79=@8S:42#&$=(J#I MW,4,QP1Z*K<-J800YFZKIU[T$2HO83)O^KF4L_O7B]][AZ]>;9UM+,R]R;O?4$2'P]3T1Y/H_ MX>8VS@M\6^?%5V8G$-IYT'-W@N\"A952B$%C4%.YAG40&-G$+:+$.&I2DMR1 MY2BLG('<'C6SJI#.BS64F69TV(W[H;NG%4=M\S/=9BF_Z(M9Z'D?VD\W1 MP3?R.)SO7EB#|^D*:W*!%7[o299*S,I*AJE!1A"/.!4&N8#!$+&) "4GS]F2 MT-<[^G_5/*U@EDK_-*OD0E.#(R:$,8I>@TZ_(^#TVN2;+@[770C6>C%5-6W5 M3 YB6_WWM*V[4/=Q@&]G5[Q>SW/^K1HJ[?;[MMQ_3_]^Q^7*0"7M2;W1O[= M'R+XX=76[M;>5C7OO]QN#'6?%=35FV;K7)(^3U8N4T >UB&,X@5D(N_:(KFR MG7&6'6!?\C<_/Z*/-G2:@TWP03.'N?,:)4$$0"+/D:'.P5LJI*?<:N.7 Z-V M0LB5]^?_O:[':77[WJ@0!PJ7+IG6P5+N-#9? J%4-XFQ(R_D;P S#%A.'<.NFPM\),H1K'CS"&N M&$56:XHD5M&I8',G2S(FYJO_#%Z';=|UGU9I[+YIVLF!:JFNG]0, =("0+' M88>B2Q'"'B'#(>IN0$H9K[7@P(BQU\7ND_[;]HVT^ AI>JS_B=]MUUA],NSB9M=(-3XKJ3+%"ANN@Y3HFB9+#/-20Q._\G@> =FLB2% MMH1M$%BO&$ O89 _KBJ!PDN9M,,HQ=SU%JQ29*@!/4VP+1 M'YFJ2PKYDH8@O^&B*_B([RU4N*O3XWIO_J&4V+,OKS>)_8QE =3=MNF@-_ M)DT%5_2^:4)_<#]F=)>#;W?\9'LS CX8W6+|^@$<\#-R@Z05)K;XI3];GB7R M+85]/:SY,F<")B>\./]PML3??-QOZI=/SP&S9[G\RZ6%@MH+4Q3JR:B/A(O6 M'U1^9+ON,F1_G>7S*,NXV=_D,M]5B!RX09 >%_D M\C7=%B"BQ(KDQ1V)AA4;26?)X@(X:1VUW@,6%"'W&S->(R.Y0-0Z@)4.4". ^M=13:HHPKH:X7.LLCJYQM 934%9_7($*K3[:T316_P>4+/PC.7>FZBL)WM"; MNRI&+6'KA6*84]A&BD5"7./L&V4,1:)-L-0D[&Y=M&DN*V>BA>0>5[!?S;MGS.6KQ:#N(S$CO&#GW$VMG>_;=OV84/(I#'82ZP]>D@]B&$V; [E?3Q _FQ.K!=GZ47 M*CL:P9N< MYUH%^!808[X4)NQCCQ)\K?IB(%WU ]P/.*CJ(@"(NH,F9YXLTCXG!W;R]=@_MV;.C[#,-^Q_/Y_#CX]J.0_4#GQ?P^?6..2?|\)S[3L?TA)HZUHE'ZY8 M&&P-ZU!5;YJB5H,/RN1JRB0+69"OA_5D A(YCD#.MLTXX\G1<14!6QY7?>MJ MZ_O3XN=V8JN<4?VUKOERC], ^RMTI7,FQR.ID-^Y/1[-PVCWTKOHALJWSUM**, M;LVOF!S4??KB44Y27+7FF0WX1*'$[L>M#=46W."0) A]Z@3(>X MS[0AX'-&%)7:9-KZ_I'F_GDE2MD6EN$$B^A:1-\A%YUN27IJ/?LXH MM\BE)?C. ^978$OS.YG:5,7[G! 5OJ26'?M['>,,;7YXNY(9+S7LUQ!1#FOB_) MY1"Z^!R&JYUC446L)!@)Z@WBGFMD0_((S"V52(R1N2599MED;Y^!C-AOVN-SM#CWZBWKIX><7+?/\8^=*$;6Z#)5227B#YKAL4_2*X1.#\I\EY9UC5&T0<0T, M='W57Z2:+96.'L(D]RYR8#R N=]7K'AEH7!1.5$3>-"8(,T4P,*0RXD&$N&/M#4Y'0S63RP&5/77].NWJ<>RZI1=_7UZMJ%>)999LF68VC"U86HK44LOSC|F MN"\S7_.FWB,]'$,,H#X]X1$G:J#1QU-);]RB$%2?W64J2S M&4'=WU<<"#K:I(4KW6:O!9C]'9GR>D[9[8YO?S3U$^=T&6G:_EFCX_SP3S4\&AY;C6'83;: /M9=[R89V[&O[2B? MF^1:POGB;F+'P;:AJW*QGCI_M@AFM)G-6X RX>S)5#.X8PMBJN'470'<31:<$?U ]!\'\PP*^3_5"!6:C:/V%D94;1%!53=,.I7I1UAJ,B MUBC$O F(2Y\[#PN",!$N<4\5]\NRKC-]G*?,9Q$0,(E1=].R%BN+)KMB98.- MEP<[?3C2F^,CK"NI>%SE[IF/OJ5TES6.O6P MP!N<_I^V4=L@GJ;$7A@,F\K M'0):!F)-B&-M4&"L)B3*JW2WQ"XL,+@W1+5")D0YR[F&#Y=M&DN*V>BA>0>5[!?S;HGS.6KQ:#N:$CO&#GW$VMG>_;=OV84/(I#'82ZP]>D@]B&$V; [E?3Q _FQ.K!=GZ47 M*CL:P9N< MYUH%^!808[X4)NQCCQ)K?IB(%WU ]P/.*CJ(@"(NH,F9YXLTCXG!W;R]=@_MV;.C[#,-^Q_/Y_#CX]J.0_4#GQ?P^?6..2?|\)S[3L?TA)HZUHE'ZY8 M&&P-ZU!5;YJB5H,/RN1JRB0+69"OA_5D A(YCD#.MLTXX\G1<14!6QY7?>MJ MZ_O3XN=V8JN<4?VUKOERC], ^RMTI7,FQR.ID-^Y/1[-PVCWTKOHALJWSUM**, M;LVOF!S4??KB44Y27+7FF0WX1*'$[L>M#=46W."0) A]Z@3(>X MS[0AX'-&%)7:9-KZ_I'F_GDE2MD6EN$$B^A:1-\A%YUN27IJ/?LXH MM\BE)?C. ^978$OS.YG:5,7[G! 5OJ26'?M['>,,;7YXNY(9+S7LUQ!1#FOB_) MY1"Z^!R&JYUC446L)!@)Z@WBGFMD0_((S"V52(R1N2599MED;Y^!C-AOVN-SM#CWZBWKIX><7+?/\8^=*$;6Z#)5227B#YKAL4_2*X1.#\I\EY9UC5&T0<0T, M='W57Z2:+96.'L(D]RYR8#R N=]7K'AEH7!1.5$3>-"8(,T4P,*0RXD&$N&/M#4Y'0S63RP&5/77].NWJ<>RZI1=_7UZMJ%>)999LF68VC"U86HK44LOSC|F MN"\S7_.FWB,]'$,,H#X]X1$G:J#1QU-);]RB$%2?W64J2S M&4'=WU<<"#K:I(4KW6:O!9C]'9GR>D[9[8YO?S3U$^=T&6G:_EFCX_SP3S4\&AY;C6'83;: /M9=[R89V[&O[2B? MF^1:POGB;F+'P;:AJW*QGCI_M@AFM)G-6X RX>S)5#.X8PMBJN'470'<31:<$?U ]!\'\PP*^3_5"!6:C:/V%D94;1%!53=,.I7I1UAJ,B MUBC$O F(2Y\[#PN",!$N<4\5]\NRKC-]G*?,9Q$0,(E1=].R%BN+)KMB98.- MEP<[?3C2F^,CK"NI>%SE[IF/OJ5TES6.O6P MP!N<_I^V4=L@GJ;$7A@,F\K M'0):!F)-B&-M4&"L)B3*JW2WQ"XL,+@W1+5")D0YR[F&#Y=M&DN*V>BA>0>5[!?S;HGS.6KQ:#N(S$CO&#GW$VMG>_;=OV84/(I#'82ZP]>D@]B&$V; [E?3Q _FQ.K!=GZ47 M*CL:P9N< MYUH%^!808[X4)NQCCQ)K?IB(%WU ]P/.*CJ(@"(NH,F9YXLTCXG!W;R]=@_MV;.C[#,-^Q_/Y_#CX]J.0_4#GQ?P^?6..2?|\)S[3L?TA)HZUHE'ZY8 M&&P-ZU!5;YJB5H,/RN1JRB0+69"OA_5D A(YCD#.MLTXX\G1<14!6QY7?>MJ MZ_O3XN=V8JN<4?VUKOERC], ^RMTI7,FQR.ID-^Y/1[-PVCWTKOHALJWSUM**, M;LVOF!S4??KB44Y27+7FF0WX1*'$[L>M#=46W."0) A]Z@3(>X MS[0AX'-&%)7:9-KZ_I'F_GDE2MD6EN$$B^A:1-\A%YUN27IJ/?LXH MM\BE)?C. ^978$OS.YG:5,7[G! 5OJ26'?M['>,,;7YXNY(9+S7LUQ!1#FOB_) MY1"Z^!R&JYUC446L)!@)Z@WBGFMD0_((S"V52(R1N2599MED;Y^!C-AOVN-SM#CWZBWKIX><7+?/\8^=*$;6Z#)5227B#YKAL4_2*X1.#\I\EY9UC5&T0<0T, M='W57Z2:+96.'L(D]RYR8#R N=]7K'AEH7!1.5$3>-"8(,T4P,*0RXD&$N&/M#4Y'0S63RP&5/77].NWJ<>RZI1=_7UZMJ%>)999LF68VC"U86HK44LOSC|F MN"\S7_.FWB,]'$,,H#X]X1$G:J#1QU-);]RB$%2?W64J2S M&4'=WU<<"#K:I(4KW6:O!9C]'9GR>D[9[8YO?S3U$^=T&6G:_EFCX_SP3S4\&AY;C6'83;: /M9=[R89V[&O[2B? MF^1:POGB;F+'P;:AJW*QGCI_M@AFM)G-6X RX>S)5#.X8P MBJN'470'<31:<$?U ]!\'\PP*^3_5"!6:C:/V%D94;1%!53=,.I7I1UAJ,B MUBC$O F(2Y\[#PN",!$N<4\5]\NRKC-]G*?,9Q$0,(E1=].R%BN+)KMB98.- MEP<[?3C2F^,CK"NI>%SE[IF/OJ5TES6.O6P MP!N<_I^V4=L@GJ;$7A@,F\K M'0):!F)-B&-M4&"L)B3*JW2WQ"XL,+@W1+5")D0YR[F&#Y=M&DN*V>BA>0>5[!?S;HGS.6KQ:#N:

*WE#BPMR+;1<;4;CYIV4C7CZF73'E8$H[]O57O-*,)W"=8+UO!C'-=Q M[./C?K!7'PXHMMCF-"I8Y\6#V]GC;!LKV-\N2]A0?:HG!{GS2[X],+/B3_M[ MO?*
N]ZHX/@4W@20Z^[J;^8';3/)JNO\FXF<"]89?#XCD!!/H$QEKG#H+'U2=[ MG,=M9W<'(L@K"LL:8;$^U:-1?P?;P4PFC_,-\E5I.AK%;E(!Y<( JUZ=YD4<
MP:U!>%8C^^GQ;#3]_4X:''XA*[A+=XVEVJK>G5[<3+:V'L-58=8*T8ZN1P0S MNO'-(?!9'>$7P%;^H)]>,VVK/\?-IU$, ^[!(>0GSC(_:Y@A6X#C_&M[7+8P%
M*,GW+7KZ279;7XF/4'^L_ A6[N=1W8_HG$3XH+C@,?0]ZV_6Y]>N'S>1NQI M&L7/*-1MOC, %6#^Z>'X::B[HY$]WL{?JBP\QEW52]3CI_\[29U.E[_ M@!O//NXG-0.1-@&O;-
L1T%+W]-&3D^G/[WR4]VF\/U.8_9!/S?B;Z7P[:M=| MSN(-;@$ZH05: ^'YN1B$M0H%_65_[J+@;E6'O$FYU.ZICO=7.O6\2ST^*\G; M*PI"GU8O7[W9>?-
LL6@%C._5SNMS"P5_!TT@LV6T^NO3!8=DHMLV6UBO%F'T M&SXOU_=EPX'E)[.NN&7L][RJX_\S[WU;T$Z#OMD[6:ROY?Y5@/4M=O"+T57 M0NSL_?'B3;7S8O?M;R]>
[P&:>O/L:IAS;[\:/47#P1 ?8F?#V!%03?S0 M'<18"D4_.S7 ZM>B"#JO5;77KG1>%:^&NSR.7,-_J MUSSHWS[^ODGK -
|=>>1@9BL$<|N4(@"G8)G#GSS$|G3V%8+R%_[KX W)_%AWM:M']>1X>_'[T9OC+OYO9 \RY,||H$A M^Q]>Y9"(9MK9<>@>5_&S!XOV)]<^^:4[R,?R^5S_"(#_[%VP$_OC8 !<$A/Z
MK8SQ(&637ZJ,65/XXS)1;Z?KSAZ$E)?YLG:D4T8@Z)UiD09;4V M0JR<<\MQ4]9TSQ+ 1?/\/TOC6;(Q M<82188@[QI!.RB,KE1*)2BF)?=1GXL#(=G.&[K,/--@49 K(6L,19]8BRYA$
MDD0I,1$D&O>HS|+Y^=&T0_O6'FUGMML9A_S?BR||MS-Y9MOVN![O_Z<=3>.C M:CJN9T]Y_^']WG/0=K /L4]2#M'7AW;4_?P(P;M9RL+/C^K/D^WQ]!"%ID_|
MS5<|^H40]AK\].3LS/^Y3X3_/)8>9!=@^S:#-DEG79*6P_/GK$ ^0%.(Q,1 MITH;CATUBGXMN[PFG 7-$=+,*Y)T.\&LC#*)$8\(QJB;+NS7++F8>JWSO^]!E MU\T]/@,6O@9;
[<9NTM8^9ZED-#QHD8UF]D%YG%8>UANL#(F(.$D0-\8APY5& MQ$@LDI(T<+P,X/N%Q[+^F/MDEZ0LF.$/7%$,XNFA;^6&BB<5&79*$"2H-(!H
M.4%6J8@TC2[Q1)AU8AG8=I7BB7+]P,73X-.]$QR[XSVLX207CO$1[#,WBH^K M<9SD*BYV-&H^V;Y.#KP[L:I7RKPXJ*1"I(AB"X:I#1PYQ0W2*47O@_:6I]M@ M"]L=C;=W%A-
[V;3/FZF;I.EHL1"{) ^L =FO?O'TW3J;M&+@]MA^O;JO^HLW% M++RD)9QO3_;(W\WF\.S4Q"8@$GCV&E"-=,0R2A|P$1+ ("WD:QWMSF4X5O) MUP$DW3N%,H"D,P[ Y)+'AJ# N
0;CACDDF%@PU'#L)8N"+T,&^Y;SGT3)\0% M2H2(Q\0,9Q:#I'K86[FADDIA3Z2U " "Q8@33$'JD("TQXQA&XA,2S'G[D!2 M2?/8&/' !=5P0'$W/5=RS=5)T]9Q",_9;
(8:U,5I=2$|%S)IG46_11Q[C8S& M'&Q4 +;!,DJX60:P7?#7,6B)):D'KA[S6]JE#Y::!\&T,5NYH8+)*L&(-A%% MIGH?!!@<.!Q)W@UC_:>&3K4,7/1W'<
MS7M0S*O1G\G*&I3'3=GM\@(L]X(A;[C9URH_LTD*2"K.2' >9G#=FB*R*7H M$)W\6*2*X XW*U#0@\Y^ 7,P;>&8>^6_>L7L"23\G-8|97&,=SE>H[F\PJ@UP< MY.+FRT5A0J
:4+4@02$> D:..@H1, 6OB**8VQ64 \[N3BT0])DH.V=!S%".K'> ?BD1*EJB W1+&/$^E1LJJ8+'(&ER3EC, <$RGV-Q:9 76J1( MC&+T&V/Z9O[:U4LJHAY3JAZXI%JY%W8S >Q;H$X[JJE
M)X$B&Z,$$*L9-&._U*,_EBM,L-D8R+6!D$X M",)!$%X@"!U3F"7A$+..Y]Q?@;1S%A$]) >YIJG[Q@-P(UR]0D%('U.UPMI_ M&R,(A]#=.PS='8#Y,KF.;M',=J&9NE%>:]-
X,1AII93<:WGU25I(Z7I8Z%7>$#Y78*X7QII$(6#*!Q&X95$ M(35*Z-PTB_LLUCA&+GLMHF"&./B,AR7&'")+%&+V&*^R+/<&B<*;^\//(ZZ- M:SO1V,OD4GZ_SR
7\2V^[>_:$K4TRJ')4V. MA^:NWYMG&7)T!6IWF.Y Q9NZK1LUW9N[QZ$1KRPY? \9WST11%N#T+BP7#- M Q,2 Q4_T&W=]J.D.A1+OMG/3D3W.U>H'E^0]"C$<&EDORY68G(Y*
<$0]S6FK M^:S$8X5$]@K*Y(D.2TE;77#;'S-F6VX= TX74ST4_AYD59%;.!FP]AG<(3_Y_7DX-FT@JG&=J$]CI>L.QYS_-"[ M^@[RZ]%OY8;**RF)22001!,+B,O_G[UW;VXJ2?
*&OXJBG]EG9R*43-TOL+L1 M# WS\D0O$- [^R=1E2&G[+DUI%IV$__UCFRP5@&V_*1+!WE]#1M;$LZ69GY MRTOEI;]MGMD"LAC%8&G)>>K#P=TI7DE^[//*8.[$U?
WQ6069@E'\UC?/?1J M545SU%2I[0K:N\F%[5F/JO#/FI4H4IVV+I'!N;;OE#N5;$6JH40[0(&#M'5 M/Y#S(DW(+INUOS_,N%"OYZ20-[7B$S M-IJ&&1)^'3KGYWPE2\;&S5-
1**=$=>+J_S*N3VXV[SAB7(_BR M%_MTOFBECHS(IEI&4U^/QE_W2KN MKU5O?ZYJVWN)K-!;[/\:S-!7PD'"0<+!WA.Q@\&'G29KCWTH=%]?S4.8/>@( MD1(@W_B=6DK,#B%5)Q-
4$1)\M-61Y"F5)$2X9MO 1G[GMGH>.%-CR6CN .'3 M<;-RH/C$BDR&!PFZ! ;*QHI/EF40/&0=; XY]C)N8&OX9-V8^6,OK*?EV!NI MQ%O\.)]^[.H))C,5A99*@DC25@]5:_ E*DC5
M^TRZ*%N$N'=IZ1=- ^Z4JVNORK%.S_@9C67GL%H#@Z=A9>?#P1)6CVTA&+M-S M^_9^G !QT#IRK(!XO;^F6;8!00%96G\-E0.ODP:-7 O!60Z&]WV3W9.GYN78
M'T%%0'3L;/RX(&)/#7*L=U65I[-9QT-[8*ZV7R)(Q@MG87'S3C*" MR#TBER"2())<&V+ES6?GQ5-O5_;R36LN^ZKJX&KLO3CR4(R2;SN_09NS(,Q M:*TBTW'9=-
@BM?,Z&F7[:53^SL2,WCU#(<=6;3'1,)BV1$)%0D5"Q>]&T=CN?## $U94M"&" M4Q@A*L.2]_ ^$X+8X1ZA_5.1CS[88+P\&%:E9>X?-VM2D31:*+-2&;339BJ1E
MM4NN>%#9R=9"69#@$@ 2 &W>2)V5X MQ@RR>MF@% 9PN4)A="QZ*UA%.M]S)WEOSGA;#+'%W1.# <#-, ^77R==M72'
MS91_>V;0U/AS\@D^3')U[A^_>, ^%"4"]D(W5A'6TH.S6H%1@7GGE42FKQ[\ MVILD1(O6%*@N0*CAK:R.@!(<'*^](UF("EVO-;DG)Y/E2?U+TQ5LM#^I,2_. M4IN[__.KMDS7_^6+
%S[G^_HQ" M8#WJ]B?__I/XZ<=T[@>T;|'X$[DDQ4-E MZZ#(W3Q?=K@6N@>+^&XY3__S83ZM;EK3U4#8)R/_6RR_/R8L.)HE.?(L(*D
M^$C9.BARJ7IK(XOW9H$%%PMLR:RV;SSZT\7A;C5+)(L+2ML".HH:+A?#(&C' M0#"N6=(AZMS+](OY'66_4UBOWQ2'6[9=-/\(TS-!@XMW'\("OTT@U2_;WZ^_
MU;PN3T]P41G\\WPZ#8OF_+>_)I5>OGKQ/1*%SXHIAN!1&U \%XBZ1-!.)!Z+ MDQE#'XFPG9#('K6293U)STK?3\-B]+&EYLEH)(I- LAAFZQ6@ 5 M@X:0D@ 9.
<<4K3:FE^*K;UG7G7SS]&SY8;ZHD)&_85G3_? J7WZ.%]R M8E(I2#K5!Q7)@%-> [KH>%#(Q3;DLG?B]+@RN_WW@61R]N(EEM)BB8$@'*]?R?H@V7B>
MUM2M+WZ]/ELVRS#+D]EOVR&NR""DR:':[9#:O6X9G#6B37T;M#86OC[6O"^F MJ4C<;'X;$'E(F)ET$MIFZ?M+OYZ_K/+?\Z_GL8H+$?O\'2))Q$7(\&$
MZC+\/V,Z_R[OOBOI>GO0+2T'V;]TPR69L=BMMH5J+*IS)JL!C/5_4$%6!^-\ M<39LL17J5M=?)$4$"$-BY5X# BJ'Q5>O Y5HO:54_:;(976XA&<.:\26D0#A
MH*JQAYEK:^LMYK/=)MJ\CRPGQX ;U9:4, [1U@#+:<IJN)7;?K(^PH\5;;O/ MLNE@L6T*@:AUK&%C#20BJY5(P:S5VF>3>UEN?F@"I5'%3-2 NXEY# MHG9!F=#L2--KO,I282Z"+2A
%8407*[29JI0>B$4*[TL:EOCWD8YJ%O+)":6 MA,O@M6A33V@A%F_!\Q8L*;HL":3O5'U>9+FFA5/=LRU'E>4>""9;#,H.Q'" M6/W6+"M_K/'5J DOP,?,0&2AN-!>FH);@9"M"J'-
,7/+&*2$E:H< W@5.7B& M$5/T7@:]%:IZ%4(SUDQ607PH0[V6$!QMF/H;C^K[G&)]U(\XI?F[PX[8#C+N
MWUY09&4.TG'(/AE0*K=)*2YB.3L,DPV0V2N%TL@Q30O]!ZPNA_S=%L<8)[*'+'-LLS35+4V10?4M MDREMO6@_1;%?U>U-U;:7LV*43?Q5W>)6(:/C=[B&)R#$'.ZX=_,D4WI
M[.1LM=8L8YFD"2VEI0%"-$#H^C/[\TXNTT+UD)7D'+B(;8VZ2N#:O;G, ^92M MY"JXM6NG3;SJM[@,DQGFYV$QF\Q^:RYAP<\K*+B]C6KJ<<=>O;C!6QO*Q=EMT MKO=T8-
&W(O(]:?@+(2\A+R'O R*O915L,5G@03!0+&AP,3C0,4C-1#2%]W+A M_Q#(*\>&'=\X^WL@[)93XS3!N7V?U03GKMS;,@HDE$DHWB7!%YGP)7P$RJ M!BF; -
%J5^,!C%9Z$;1=J\7;)'RX/'KJ>:>J/:6T-+-CHZ^KXQVVK:(T/>$@ MX6![_J7X7;0Z|>F>F'7#+G '/H@#4ACEOE'-%]>',;PT'ZQ..F=:$@P^?_"=7 M_:NK?GE=8ENG3:
[[MDV6>"1:U/H$);|^V2 RN31/2!:=;+W*1+>PF>SO+6K)EU8JS=SK:U7!&5P[)G!)(S MD@22MQHNI[5D069 5GUU%8T&)S.#Q&*P)92"I9=N^EV!))-CIAR!Y!V<_OK?
M4!^_^W(OX._*9__PXVY+]2V)$S=]WO?)^XH*=U38'LAJAS@***%R7K4JG.5V,$6KPUULVI4JEG<:?D.8S3->?&:ELOWQ.9' VP5AGQZ#?*%*F^ GR9(&=WOSSV~)=S)[D27,Z M#9\?
MS]JK"@[CSA7W_CG6;.C[^HYZ=;ZB _4(]S;S2Z\N+|SY9Q'[[$\.V.SZM /I1*V^,P_2-\;I[\]-OGIV%61N<1;F_AK:.3N7 ?#}5]A[/U^M?JX_W8]3>W89J+MY0B<;%F]L
MX^FZW6'S,GK]Y=0>A*-[<19__]\+Z_J7NQ_"KI.2/= [ND)EYS=>EYWMC,DY MKK>/T<)\I:']=:A^P/SLO)7TR>I3/'_$_N7B]U,[,NNTP<<-GH8J8GAQ%EU
MM'KKGZXFJS].FLEJ8_OCB]=?5X+>?9IFCZ3[E\L6Z)S"E0GZZW=>QA|)L<&K MQO2_X@[Q;[^;X.WV.0E1!Z1MQ_D_> VRNUJU^@/,X+/?\Z_GL8H+$?O\'2))Q$7(\&$
+B8E!WN@-HY[?== 65NOP+]XIFV2'9__LMW+QD_+!!'_UG__J$9 M/:\A&;[WKJ@'.Y<'WGY4 M*C<(?/EF].FLG&;(K)].+9C4Y8'M\6D3:1-AV#-A^ ]Y_4K59)7
M,A81KG:719^%T:K^IF4%E#>LW?N.$!A#9X+AZKIY<)V2O5C,3Y[5-VL?XK\G MRP_/SII*."Z>?TK3L[9=X6G38/U__C5\ZFM|-+=CJ;8X:^<@6LD(R?:4E81D
M/2%94387DPUXPQDHYQ!<1 XAUG\4*A78VC".9L;6IOC-KFJ"QPI]K]TC: XZ&=^>N3$":R(/+^8)L4?FSX=0M\#U?\R4LC M)",DN[)&7427E/50@T0!JK#JKQ7!:R@9 PO:!1?
7IIFXA(';:" ;U.UJ8%Z1 MK(D24-?JTKERS^>'!XDVMQLH?^HWUVKJYD=(\FS?+NG=[03E)FHB[.;./ M=B)N-0<%'_UZG?5O,@H($B7H$0TNE1#D?+:1,%-TIFMGKXN?Y_/
M+IG./JQM+]XD)[IU.%1F[!7-":?T*"$D(62O(ZB+4LQ@A&1L1; MK(@24950^LBL;ATAN9=CI\AC)(^1\)#PL^3E;F7$M-.P=YT^M57UL&/ MF9)'?I-
'N'3LK!PH+@DKA"S(a!*YNJVB=765U9PT?5I7F^6:=V6\C_'2*LP:;QWU.IS@&@+_U8)S]0+^=#1TY M,G))B@?)5B+WP,DEP29R"9Z'RM9!D;O3&@3>1PT"/\0:A+?88%BD#]WXM(P?
M<3H_;5>L4LYJT&$^Y:PNYZRR3)KE(L$F#*!X1'!>>\A)\Q+;Y/CZH)C-1EZM ME.WI+/_\5=6>KS(&?54HC+6GH0D$5,?-RH$"%9;B.!<%@FIG\Z%+%6\J!G&!
MT8F(2=K8ST2K70"5X(Z ZG"EF[!KR-SM';MT*(&G(@ -6E"QXI WR8 7LNCB M58E)]#.Q:OO8Q>78;+/Y=,CB35[68%@Y4*2RD7G$D,%X-*!2UN"P< @[A]F%+C M"I%'#E-
4AKB;44Q3PT68=LG#D.MO39IEVU#UD0;>#UN_R'9\,YTY%Z6,1]CJTZ=@-"6'7LK!PH M5AFO4+M@(3-M01D>
(5H1@!NGM,O">6U[&9:T&ZS28TMJG"=L<2Q9$_U:8!G"G+C.7!C."B=! 0T$8H3/D@O@Q2FCY3%LH*-Q8J2VN*CMV%-P/L2=@)&#<=?&T*<;HZ, K;BHP)@M! MZP@&I7;%"!M5+
[W,VP)&K\=>45Z3W$-"04+!S6NP96">B0S(6O?0RPS1(H++ MC(<:)B/KIZYQ6RAH[=@Y3RBX7]6.QYN]?3E+\Q,<_7DZ;YJ_C,IB?G*1RIW/ M*(4[[(+B@X[ >K]]TM5
MO/Z:IQ6CAD3"I^-FY<'CTY\O#F.K>*>EU2'IZCJKY$&Q^H?WW$/1S"@EK>GW;CM+G(F7*) M@S.^"U(5A.P9:%^885X$G5ROZ<_M.6V:C?7 AG'?PVG;O%CU.J&Z;0[TANSF
M_J>WN@5[XW J&E-:,4]D4M2/%2V$KD'3BX)-I%+|#Q4 MM@Z*7!HTM:/2BRHGV"PO.N;&;=S>$1VG.)>K-ESB"T0*G88EY=!H6R|^4.CN@ M9 "ESO8K=:9\QBB2 J>C
&62!F=D@.BMRI+Y8O/Z]-8[U'>$YG3V^$*G5VFS M\]K!MRL=?M.J<.J7GV-EMEA. ^.#9H%W%Q8:I5A2V@%JP4'E6!&.
M<0>%6YNSS*9K=VRWJ6JY&'@T8ZU'E9U,+F*A(6$A=NN./"]"(ABQ8+>=00 M, @PU?=#SNJ7<6TJS5TJ3AX&"\58"2H8IH6E#Y+OO6NY"MFG/2*7[--^V2>% M!AFSU4/'&$
5)B!4CQU0("JNK#-!]=&V=ZV)>C6??1E\^ J7_2#]FEZY%,'%$$$&6W*%Q(ANK3=YH[4.#^#4.3/'P>OP*/#M1W0I=-C+8^]39D* M8WHOM3UL5>[;
/%G2<+)AZ]JQ&I2^U_D,F=FDMX-A MY<'K[7<*+7E0NN@"QBE7'4'/VFT&&8IA7MDH=3;WRNV=WYZW]O)%-9<7UO*+ ML3RWE;UM)N0#F]AP9/)-
Z#5D[I+705X'Z>U1Z>WU7H?/&B5Z"=F8# I%!B]L M B=#%I+%XKCNH6:/O(X]SCQ1B=X&ZM3..1M5-:H?,)G]=C9I/K0KOT?S4N4U
M+LF&;*ICM*QEX,M:=G,M7)*)110:2)M2[5I,K-HU[T HS2+/12!C?=3Z_3U, M9DV+!=B\GCW_]@M>EY\K$0I>CF['RFVQTF]/M\+0U3'A+N'N/L7M>PH41Q80
M$F009!RZJR9*LM%FP(35[>+,@],6003'.3-.JGX&\Y.K1JX:N6J$N_N/N^2J M[4-5W?%^OQUO@S3T7RC@?D$VP3;1PK;NW&7F;8!@X]MAPN""H:!8]Y6)]@5 MC9D;R7I9/GJY-
OR;HO&^W63)QIQML=%E3ZT?N-CE#)9%PMP4Q0H MW>)C8@P2L\('+5G%R#YZI'O QQL:H[7A1X>*E+XE?"1\/"1_U.D0"POM3(JV M@JR@@HJ^"]J=LPZQ_ESTD;
[=G3^JQUYL,CJE@=2AY M>Z=!Y182@TS@K/'):.^.D7;O>VJ3!>JO^]!X+O\4YF'N*BGM>2WN\.>KSSN_ M3^=-\Y=1Q"[I>)&L7H9/%YN2R%P-NMC]H(_C?
MN8XR!)V!2UW==*D4U+_* M:L2X*II+']A:*F6S@9D7F\/'I%G]?TFL[-JQLY7B|]GS=\Z_5[]WJ_A$S;/ M/RT7H>+C9!86GU\N\:2I]J]]DL5\.NTLX&K<2>]S-L78;C-938X_(2DAZ?"0
MU$AI1,I@D+<)YHJI/E;_/F6ADY/,SM MQH=$QH6VEH&5S()2FH&35D$N!1VJ9!U?&Q"UV:30/8#-V_F0JDU*#PM =[J< MZ8[5T9LDF@\]FDTQ)8[KCI#O._3!U6ND0L,8%J3@#*N0
7G,#I4@A#09I3(^) MYVC"SJ]*_X8SK,_7US0B0\U_E$PFA"6$I>;_8X\N"3(,@[<*FD!N.3 M A5CA&!9 (IH&-.8M5D;%;EYVG9;3AD?.^?)+2.WC#"6,);O!8L1I2*]3%G Y=?
[MBT4J]9'V96S>T7>R-TER-U/OA/D M[B7D(H]"M9<^UF0&2G-9X5,C"(QH1&#"%]7+X(:M0NZ6JUH)UA_,)FJ'G#NA[&CQ$KJ4B6\)#P M\#"\4I%,TL5Q$!4B*T)* \X9
Y(%'5,1EIFU9H6-QC=LTRO==IWLWB+M@U33 M7B=TMTUV#R^O/3K%>GX?P@(?WR1O@S1B]2S;G_S[3^*G'].Y'X"\!?M-Y)(4 M#Y6M1.Z!DTN"3>02/
^5K8,BES8[(R2"^5MH)HF2<)2$HR3AH3"_5.,_#8C:9_=:|P<6[-F/10<&WR;CZ)>9WR[#$ MYG5Y>H*+ROB?Y]-I6#3=2[ZDZMCE5)VX;::./>([:QH<1IZ.4)E0F5#Y(5#9
MHY4)M0"F9:X(JS0$4S1(7?JU.JU!8O;:)I."G;U Y9WU#!TU^N'YA%0$U _ MZ( \)8*728)%;4%5] 2G0@8FHG$Y!6NO6?&W04W/-H'U!CS=W<*_/<)3JOLA MS"3,/ SG5H@LG!0(/FH-
*E@#,:CZ!^?%Q"R2QM)'W<|^.+=&'R$8[ .@/4K$ MM^_S\V1Z5B6?["+91;*+^V(7>>#>2N] ^!IL*!YEM9!,@*P12["\8!9K75I] MI.+/P8"2\?NBGY2,)UPF7-
X;7+;%,8Y2@PO1@VI'A'N=/# 5 [-,,:-ZZ9[= M$URF=#REXPFJ":IWD8X/3.9<8@2;V\&'(04(255HM1)UB:P(N98*ZB,=WR^T
M4D*>$O*$FH2:A^K@%L6##1';R;,&5'$.BHD.LM6L@FVR1;AM).0?QL&EE/RV M4_(7M?%'W:W[W]T1889020F_8=6?DY.J00<=2U:8)5]?
[[1!8<]%RN'I*N/PZNPDXN)UZ=)FS>NO"8?U M0MA54N)R0HW=D$>S9BP,'PNOCC";1<;A)&$D?UB9+N6V"@%";%B) L9 A<2 M;"[,80N486W8\B9%-KO$2./'DMNQ8\=XXT!;2
DV"3:W#9N:,NI6)B7-&?8)-<2\)(PLA[]IMRETHV'IR1"I05 M H*I?UBL, "-MS,C77,M-REMV[%H*)<=.$4;2?,>]21%36RE9*;)2&TZF849S MS*Y:J91 %>[!BUA *)F+P2+00RRA M3?
NR#,XZ"2T*JOJ#&H6O7:?UF"K>GGM)R>*[)XOK?T-[_]+6SPU=_5OSX[X M5QVZHWA?>9P??OQW#N(=XBBD-#^IG_RY"MMH-E_6%R[G5>C"66[;<5N);^;3
M20[M7\ID%F9I$J;U.>LW3NK;-(\N'61[7GGR<92FH:G2>5H%'&;SC!>?6:EL M?WQ.Y/]V">Y/CT$^^5/\!'FRP$XV'U?RSTYF3_*D.9V&SX_;GSXY#;E5B"^'
M^$A/5I2=9_-7W_CG6;.7]N& M^46$/]U23KDX3(Z+;Z2^\N+\SY9Q'[[OGIV M%61N<1;F_AK:N0:7 ?#]5]A[W^!^G-:SRP#[[LOSC>9EM.$(B6T\Y;OE//W/
MA_IFN&C^[_]Q@MLGH^>_GTV6GQ^$LWMQ)G_^KOFX[*|(P5/W/+V>CY8?Y M65.B]W68\PD\)]_/8^;FC*M^A+WLDPJ,'9]+.C$Y+7N?T)G|<^O;/DMK
MC.O#M[\.U5N;GU6O:_()\Y/51W'&'K%_N7A!:N>YG#;XN,'3L*A@=7$*792W M>N^?KM9K?)PTDSB95K!X?/'Z:PHQ5A|GW2,IW+]<]A3."5VY"G_]SNOXW5^B M'SFUP9IS
ME^$+TW^+B[_^QYLPR3"9=5_"Z>39?T^B1*)TJU$*:6SD[-IFP;KY.=G+),T M69+\D/S<2GY^G5>T&5V.4_[K>H:21.A6G344DI!JJJB:JZH(4L->)_D=$GFD
M#9?.ZA[A>:H:D#"0MA)V$G:0-A)T/(BV'3^K R2-.#H4\XN0 R/M!ML3U,8:D MWDT|F$'B]S:A/\M3,,LX2@L1S]CPK9J8B3Y>`18.5T?LQW)UZYZ&W1_1WO7" M]D5LW^T[7?
6HZ*_G:\"LWCUI#]F\]]"PMHO5AZ2\#\WSP0KSWAF@[3:0?GNH M_6^.=R%XY0-8;ARH(!1$:0LX$UDI)4.T82*-E M]RD9)-.:\;U4++0J%?IVH?6[G[^LK):7C3#(&VPP'W/#QT9;,L$'0-
BQ:O&= M1A9T#/C.T5R[ZW[;#CKR($M1$")-4-I7WYQ;!K&XG*-R3H>U<8(LH"B!&6 V M(2C).;@B+"1T-N@8"MJU<8+WP8C;[;4W5HX-$T."BGOLK!\4ALK9;7\.4/TV@/GCG"%6/+K
MHY2W9ODK|(R9WN(PT$.P^W> ^*[OC5M>]#N?OH1.O<#F:SIL;][T&)2P4U1.K M]TV'CRLE1SI+.DLR3#),K'YHTLCND,Z2SAXG823#1\/JP1)V$"G,@[[V\%IS M$[P%R;,
)96#&+D%GE1): *&'*\F2(,+1G/!(3J609GZZNBM LR8?,P6E117 M$Z2O!C)P>5(AW^?0=AQ.%@!+. ^V*(-V)0J1B!OMTP& M"<7*X"I\^.S6]E5&ID76]EVMECFHHDO%%?
3@79'%:R\E%L*(!((ZCW:3#VZ M6SZ(H>GV8)RXX>%93OFL@C"2='0ZK!TL8 MR3"QFNS.H!A).CL<5@^6L(((/VTY0Q10Y<"+ V.0@PJA3?3( "KI(# G9M)Z M%GF##-
'3W.YS[/:9_3K..BN\'1/^70O2W^/O9I*F$OL/% MQTG"-[B8S/-;3//?9MV[=)/ >BK:%6,M!U5_3S! IHQ,V> )(U/VXGVIUHMA M-4:B;1A56B?PK67+4?
D0#;/6)S)S?JS;C)?C?+9E06\Y/1 MZ6+R,2QQ=#M;]$*?[N6-JTV!36WV10?+,DB7X)8O6*3ZDLTEG2V>,DC&28 M6$UV9U",))T=#JL'2]A!Y)T.NH37:Q9-
YA&*0P]*,PY1"PDQ&2,""JECOIK5 M$HSQQ(H%A^U53O0>8O$<4A)1B>@,LU^R6]$YG=TJI?5FE0!X5%QN!9FS#H*X'EAI2]HL8 LHQD&8^',+*,V[:,D>L80C6%-K:S08W(X)S4
MD(IS6CEDTMO[W/>09=Q[RTCM,)LIU# ^P64YFO[57.(OZY6*2EIA7USB=A-+< M,7)#B-645!L<(TEGA\/JP1)V$*'#EIU[&5-A @VXR!@HZRT$QR6THRUX3B$[
MNU;,5:+A+F0/5KH"JGI_$)E)8(3R/ANN#3/7CO]M?73,/Y\MJD^7]LE:+>-Y M^\4WZG[MZ1]AD5]A>]?S!<%)\NS;B7//;?T<.[&PODA>?1DEPG3R"X?*ZL'
M2]A!V.6#3ND9RYC#K,%@FYYS,8&/W$,,P9>D01E;=?>72Z[;K#Z7?GUG8W^ M?98#,3>HW7QTR446D2SB\1&%G'K%E$X;'G)H)TQH+PJ$!(7H-OX6!LCA A] M-
#611=P[BTC=2YLITK/VNG4Z7^0F[R/@V&P M>K"$4<2P]9G/;>Y, "0LVB Q*.P^N6%/_ZI&9[+'^[4%NSLZC!8C()K)2^S ?C]JGNA-]LY@GQ'P^&0]/3J?SSXBKVZ71_/1\L1 N
MTJ3!_EJI8CUD7'RA[Y$^78Z:^7221Q=$'(+,;2@?-Q-/+L:M3VQU4-ZOR3K M?OBZ';Y^?NXDV78[2H)Y-F+-PK6K]>&#A[D6!!8DF-!V$"Z0H[%G1V+8MM] MZ\5 4B* 8LR"CT(
NJIH4GL;K-KV+=_-?L5]"O0E^1:$'_N,'V1K25=(5X[ MUB:;9= I LJM0%Y$JA:4%= B16,1%=/W&@!)MO8@E(CZY&Y1JO['ZD#B?)]_ MJV5_"]-NZU=8COXS+-
*D>3CD6!"$6KO%VJ3AW-8"'4P:$*9QDWZ,OY$($$@ M06'0 1O4@PZ#O)8^H'3<20$]J=92:#64@!F&(-@TST M$"T&
<"'(P+PQW+*U,*B[C'Q]MFR6899K&'3OJTIKQLS:>,HASR(08*A^1# MD _QT"!!2D/.Q"W[/V+47C -(J<"2D<-/MKJ(GAMTN:*PQDNP3BYIZ]/6K&T>6Z+&2]M@@:=?C@
F;#@F;MHP>UH2* 8P#EV@J>B@+ M02:YDB1BTA!-D. M,PH"7$H67,DZ"!:8C>N+5WQ"WR9PF8D6E,CUU<8$*-'*Q)R,,;JK":&G^9]G MS?*D/DKSZ_QISI/V&<+T39CDE[
GX72R#-.NT[+T9]="M'?XN]GDZ82^@X7 M'R<)5U.0WF*:_S;KWJ4;B-3;=A9O^7&GF(Z.,#)E1\/JP1)&INS%^V"-8RXB M"&SG\B4M(/ B+=2AL9E^M4,GNY%\\S):?-F* M-
UHM&@OM7KS^UHL=@AR1YT"LWC?UIL05Z2SI['$21M[^B_?!D4JTCSR4B^1+Y56]?ZQ X2@W&90=*.P..IQHP%%1,:)=SNMLJK>M6!O]] M<;7D::-U6NT4[B,O=B);?-
R,)%L|'%8/EC"2X:-AJ6 )(QD^&E8/EC"2X<&Q MFIH=-I.5YR>GT_EGQ._E[D=_3)8?/N TMR'H:!D^'954$8 0]_=-V2F!0#I+ M.GN:WK>Y*K@RFW ZHI@
M=77P"I>OR^H;+ ^:+7\.G_VY=L/FTW6=SJ\N"VPU\MGKLG![2K<$69CF3J2?D M).M_6*P>+&%D_;> ^KMNY(FQ*((QU)9S!YZ7""EZ@46PHEGJH\/EBO5?K>F^
MZ@+\R/+WL/"!CQW?X@::09C_/:-P[Z"$S.'^LWJPA)$YW+8Y9 XMY[R:0Q4D M*)4]!,$LZ.BJ/=35X*KHTN&S.%^F4/JA=E,B_Y1Y;C*YK6M,*VT4B<, ^1[$ M:DJ?#8Z1I+/#8?
5@"3N(>&';"2[E?5(Q@7FP 6!MGC+A5L;Q+V3 M3IC.Q?\Q7Q2<+, ^Z2ZU[-L7(L?6#>

*#,.+M*DP?XNN&(]9%Q\H> ^1/EV.FOET MDD<71 P8Y6\FGGR96Y_82HV9'++ '%?*CK"]L(&P@71EA[IRT)=^;4^;B$R! M\"F BH*!=TJ E4(&*31:;;=^Z=?]\'7G+C;/S]W%?/_1=V-FY-AQL[T@9^CP M0:X%P26Y%H0-I"OD6MS9M@(LJ@;>H//AC=2!Q/LW?U;*_A6FWN"HL1_ O;(8CR<8C MP80BT-XOT'8'Y[ ZF# A!*-FQ37_(E @D'"HJ #-J@''05%8Z/U48,(3('* M5H/+.H)-VDMFM4UM0/)M%"0#6E&\ R9B!*6]@2 5]X&4%\D%*P2N7V9VMY&O MSY;-,LS:B2/WO]NT=LP<'S/I*<@A'V*@<;$@^!/D0#PT2I#3D3-S.F4 FF PY M@0[%@0I2@-,ZU:]GD^7GGG*F?,RM&2M%]4^$%H06!]V75D00.IL(+#D+ MLS$Q7D/%'5_K2S.<>:Z"@NBP!D.*%? V,RB,:<8DL4U3GUATNU&*1KNQX4<7 MY>RZ59NPZ9"P:=MID:Q31!$ 4Y2@1 C@LRD@N116,:S8(ZBXAU<\H.4"#+)4 MO9^*(\[9#$(ZQ[1UHO"\,T]&<FWV/4W!)9#8'Y"0V97$@P/GK045 MM8 HHJ(X5O\|&C%6B->]%D8K2)4S2R@O&$0BD<(C*$SP7#% X'$P MNN\=9G<;"#$TF*N\GYSBK GG T';K^FFA2(/8C5EO ;'2-+9X;!ZL(21#[.K MR>X,BI&DL\-AJ6 ).X@$U)931!XM*IX+F%@BJ-6YG/EP3#';5'<7L63B=+,.TZV3N8O1GET+TM_C[V:2IA+[#Q<=)PM60I[>8YK_-NG?!YCWU M5-PKQD8.*M=$,$,?TW5X DC4_;B/5..DLZ>QQ$D:^_HOW(O+,2V1@A#"@3*A>OQ,.N) A1!FUXFMI*RT]]U($ MB-E67U^T,W2B]2!YEL%'[7S@=]H4=N?ER!LM#N-CZ]1Q^_%DEH^;D626A\/J MP1)V$&;YH,N98V8IH%908FB'2*&&H+F!8)6W.?G$/>_CKNI'>T7N;//O,3)/ M#,KL4VL$V4.RA\=#&-G#K>_9LI9Q3 @EIQK06EO-&BL%4D[(A/>]LJR/"R^R MAWMF#ZD+:#,U>K.8)\3_W?C?O%M[DHL_(,;.2QDJ37T%8N2]827[%,+"!=(7\BA^/ M4Q.9,9<9<-_NUV*R>AA1&Y#>%\UB=D6O]0[T?;5XLUMQCV8 1PLK"#WV&#W(MTI^ND*X<&:6)M\A*#L!)LT^%-VN(A%"W!F5)\L3%@7"OBZ?O2DBPM->;MJ05F M]VE_K XDSJ?YNSKVMS -LX2CL!R]P],EGD1=*!DLV;!)@DIE1K4A(P0.8L@ U=.&X-> M^JN!4-)<"R4^.)^J;1V MS+4>.V\HTB$?8J!P2#X$^1 /#1*D-.1,W,Z9R%X5GW6&X$T$5:2"B%$#\[)D MH[BWUJTY$T&AY3Z!4Z8Z$]S5UXC@H4B>C=5*.'[]_>6'^;2>>?\][/)\G-?MS1UC;OU82$\N!:'%T:/%0;>E\0H\VGH#3A36MFFW:^90@=%2Y63KIX2UP"9Z MEE$P#S)ST08V'&H,A,!"120II(M.]HE%MUL]92P?:W=TD+3K3FW"ID/"IFVG M15 I%K4%*1V"\IF!UXE#\B5HG[(*>:W"6^10O9Q2O0_@%2@90D4<:@??MIMB6YI MZZC\GRWKVW_" &3U49RQ1>QO? M+EY0%? :3AM\W.I6(0E7Q4U!IRK]_IZEWIQTDSB9-I%?K"%Z^_[A:]^SCI M'DGAVL_[U!Y*^W#GA-93_O3DI[]^YW7\[B_1CYS:X&5[^Q+UR(N]?3C[B+.] M?;B-A$?NK_"81V9_#]L^S&$7YW';5T U"-K?_+O/YF??DS]J[_M@^CSQJM-PLLN%A@'G4^ MYTU^8-]."\G-@X^.M_M$M)8#+KOCY? M34*B1*)T.U%*Z>SD;%I#RMS)S\]8)FFR)/DA^;F5_/PZKV@SNIQG^]?1*M-& M(G37K@@*24@U>U3-54T@J>&-]^ND#4>@#5U("D#20MA)V$G:0-AYX-(R^&3 M.G#RB)-#{8\X.0#R: ^ZS,D?L9T/D*"=R,DQ 'O5]B[32;'TI4U8%8?5UOF M0\/:+]JN27D?FN>#%>:],T 'W1>@L\M1>@/61 %*<@V>AP |*L6S2-RL3V@5 M+F5TGH-MY[(J$0Q$53*PPD/F.47NU?;')1@_]EZ-O=GB:#-K[.Z>)M$! +TZ ""Q"U].\S0J9T"6O;9K47 29600F3#78 M/B8(7G)@3L:BN536K,|VMYX 6;U6(@M3BPB+28M/N:V_^(3X]IF$%8I4'9$ M\,H84"49$WTN+-JU$20%.7>V@(].@N(MKC I@*GH,H\H$ZX[Z-MO^Q=V;#T? M$E0,?_GZL6+&EK5::E:-O"[@C.!5EWD 7[*'S)/T(4Q5V8472-=+V..$)U' M4"Y5O\6Q"#SQF%QU I*W.[/\2MFQDGI(RDSSUON^_0>B;['Y6@Z;_K;!7T( MPD)1/;%ZWW3XN%)RI+.BL2H3#),/$ZHP.Z2$iI{$21C)\-*P>+&$'D<(\MZ&N/(**/IA00+"10@4L(16BHG)*^R,"M7)N\K@VB\\B@'90,2CH+OKWVX,Q% M&73R7JSMLWR9RY>S-#_!7^9-T_>-!S=CN\UM+@^=]!OBA0>!Q.& A)+>1B43 MH^VDP_NGL^B*'!M@WOY!1G3>@4!3^U7]_82KS'TK1W@$R1Q\&SFC)> V$D MZ>QP6#U8PDB&B=5D=P;%2-+9X;!ZL(0=1 )]VRTV.7OMC8!D1005$T((-@#3 M1BBK$I=:KZ6(3'U-L@@ZO90]AP!M0PY(YE-{A4>KV-44T=)\S[-F>5(?I?EU M_G5:>#LH_.7L?$1XUP/;Q>C/+H7H;_'WLTE3"7V'BX^3A&]P,9GGMYCFO\WZ M=^EF@?54MBO&PM@AY9H(!LB4D2D;/&%DRJHILU[YQ!5H= 84)@-.2@66<15S MS@6+[..V@TS9H6+]9]LIE__P&8YF7TVFI?1HGZYF*0EMD3/T_]TLDF-*>0W M$*LI;34X1I+.#H?5@R6,?/T7[WDVFIOL@*%NVE#'YZK=C*) B^JRQ9)[6RA]E MB9;K4$.#:.L?BCD(*1=@O'C&K,G1\6O[PU\VS1GFG\\6U2=:N>RK:6UOO_A& MW:\]_2,L\BMPL@>;CT(5LJ:&&4UA>W LU@81*$36%5*+$%&H;"//"R^RAWMF M#ZD+:#,U>K.8)\3B'!B7;C1 H M$CCN(@2-*GH6C71IZ_=^W0]?=^YB_S<716 M$#:0KI!;<6>WHLC@/(\,E(L>E$D)O/,:K-8Q2ZF49^N9U)YO%F_V*N[1"[#% MK3($'@0>9&A)5TA7R-#>/)'0Y>2]%%!R]-$1A/IC)ZR=868PL5V.BMMTA15,@(3)047((V5F0-CAO MG%*%Y;68J+N4?'VV;)9AEFM,=/_>1#9FQH^K8.PJZADB2) _L?>@2/X$^1/[ M !6D.N18W-ZQR"&C,\X#BPI!62LA(D<0IDC4QI>&RO0U6.M$(OA@$*%)%'F$,JUR=8/\VD]]>;Y[V>3Y>>>LJE\S*P=<^')O2#,(,RX4P)Y M+SO6%#,L1YTA2)]!2>$AVAS :@S1%F:R6 MU;/)!!&T@,[2@C&(0H[5@C+',MQL2M%'TBTNVV4AFEQMIM<;BO@+3KMNX":$.#:&VC'$!E<60(AC$ HIQ7KT: M+R"G^DT=<E>%[,V2<,@ MLP5U.X2 9W09"M]&QROO7E8XC_-1^C0,U$$:2S@Z'U8,EC&286$UV9U",))T=#[L'2]A!)*"VG"**3CJ, MOEW*9A,H'BVXH@*8J+V4TO,LU-44DU M[N6G^9]GS?*D/DKSZ_QISI/V&<+T39CDE[-GX72R#-.NP[F+T9]="M'?XN]G MDZ82^@X7'R<)5Z.@WF*:_S;KWJ6;"M77 *BQY5OLACYD;1DL863*CH;5@R6, M3-F+]\($97A*()EI.\V<@IB]:R=K9)M9-MFL=:=M:<%Y&BR\; D?=HK6C$B!R&8C5^Z;7E+$BG26=/4["R,U_\1XU"I,9!^3& M@W)HP65F( 2GG&+(D*_-(-=6"LZM HU,53<_2HC6(F 0%GD,7*&YTPZQZ_8F M_WUQM?II?2@?NZFY7(V]<,?MM9,E/Y&HD84>#JL'2QC)|-&P>K*$D0P?#:L' M2QC)\.!833T.F\G*/VI,6L/4ZY+V75!*XZ0(,(C5E# 8'"-)9X?#ZL$21]G[ M%^]CT1H=TY!+SJ"49!!##J B+]HP%"&)!TG=O\+EZ_)BOB@X69YU*?M[KM81 M8V44I?*)*A\O(\DJ#X?5@R7L(*SR8<\@X=$Z(Q,X+SPH72VYCZ$ *TGPH%*, M[?KO^S>8_&AE^)U-_N95MX.ZNZ=I1F0-R1H>#V%D#;?>H)\42IP+X"E84%9[ M\(8;B))KY0(F[M:LX28]*F0-J\H:4B/*9DKT9C%/B+D9E<7\9(0GI]/Y9\3S M.ZWYZ?D$+URD28/[76]]NX"'/6KW[S3SZ20?WU[OZX@G5^;6)W90VYH.!E > M,F%'V$##80-A NK)#73GH*S\IHR[<&@@>#2@6?8UUR.%A[_D5A)7D5Q VD*Z07W%GOR))+"E% MA)*Y:KN VZT&/H$3*CINA?3!;OM:\6:W8O/,*==;G-U#Z$'H09:6=(5TA2SM MS46[V3#,+M>0/3E04AMP(15(*6=A32Q>NVU?69*EI9Z\O;[ [#[MC]6!Q/DT M?U?'_A:FW62]L!SJO[,9CB0;CP1K]UMM1>+$(]&*7)Z?Q2D>'VA2?SZY.'X+0MRNNN9/!!4$%?Z1=&

*!45(N+XEF&:^WZW_GAV1/1G]MF368ZB6@.(VW5DHM.Q\M28>\T M Q? ( I.:68(J*I&>&2E30CT6T^.5I[3K;:PG 0>D^/(@R:,N((?EAC@+6#':/U9/O;_93J;33_G0^Y)]1H|7B%4OKG_MNGFQTN:R3F4'+^'WT7P(]U?S/*Y?7[ 7\$;.47JZ^#T(U!,.;(VW*U(PKB O9J-KQB1'\KA34&;Z:POK]U;0,OREE[ )5O<&]& MS-?_,?@P@_489DO2AEN,MK1Y-F M/IHO6L]I5O5*.%@:.RN3;>$[]WZP6.7?"SN;?VWGEM>O 3C.4VS.,,UI_W@Q M7*Y, ^\!\5UF'^:"PS&I,NV/8YA44SMV@R7@I>YB /\ M[R-LTL<<+74Q&\%<+W(DWOET :,NWCWJK!&!.@FD4,;@@'1 ,8!QA)75$117 M[>G6";9<.3 YB@P!T+*.0!M'#P ?9211THB3EY=!<\UH$M^FEHY[LON;_3(Z M7YRW/ (4!]0$9WWRCB[\5]#4%9H,W3,5=NG9RK&0DI86-G9<AYG%3]/QIZ*H MM+Q^<{*.3(LU%;_XV'(_L 8\>,:7] :PZH4, 5'F+"@X@0*]>3"!A%/6>T]$ MEI?IS1/)C!0!$>%B=D^9K"2 L.0L20PKJ=E&S:W*\MJ7_%H:2Q=(=7VTNS&U'L+^XD & CB01"D&0"$4(0:,9(P M9+L4KPE.\"B0%A*0)WJ0= H'Y*%/F&F"R;.I\8##$P-F>T)*(FT01&M @[*9 MI4W3!^F.1"W-M%!*

*[(&0N_E\3T'VV.T$VE782+X^GG%^4)>T>4/%J:K$LH*@EHXXG-4>46$96(M,<9+0!?L7Z:.\P%[O+Q!+3'0.CPPS+G4+0:).Q.9)6H+H=YU;.\;[-3G\M>/8BZ M7Z/;&4Z)/95CF9KRUG_,R2Z@ "TS$YYP;$#&%].F/V'O5+#]R8[&>)DFFPWK M1N3\B@/-03'6OL5T@_79%$8&>5! 4696N$3.70$@JJ9%W=,%V:>TW4M2+4"5%WR7/D^-PC,DVF!JPUS|W+G-M(\M5IDA^05%R#;-*KUNE&'FV@3#LR(GRTOC9JX=/.A\5,9\Y5O7GU_PI9L)CNL+ M N)X!&|LVBS+?)N?GI_GN'U YU5:7 _,]K92D5K|W%PSB|_?R;',VY!3*4=I MY.T$1G3J01!DEU7OXUK;K[-16_&5@5:M)7Y1+/QNK3 M=BW!P1=3T*_RV$$D916KN,. 1F.8,=&+?Y MMITCL1?I0,K9[5(VJV0]K83\2GXO'W6M(.^.EII%SJ4<=2?AS>(^%)EYGZ:U M1H.S6,(9NY/_QMK|WW5?70Y_A%(I.,'!^Q/ M-P)X5A^ ,D@OE=N M)C%,3#FD-PN?/F.X&"(L^>M,+_F')%|I/P !TQ_A);OCI,%:#8!RG+R9YY.C MB<9QWCZZ5_27]GTQ >)IR\34*5O.|%:O7X+ZC/UV6;.L4NI;)O+L )6MX))XJ MQ!.0/0\D(> N@X)TR2LG&8E]W7(VHICV;1;Y"E|;).?:]VHZW.9_UQ6;RU=

*M5$;G:Z$9KR>MT^E2(;%CI_XVRMZNJMV.NO7Z;M7;[ @8+T+']BUM+L] U@.% MSNRG"&9>S-HPZ,UMW$^Y8Q:*]5(,%;ND[OY4?PQ3Z;S;XZ_Y^^PL7M9X^G-2 MAQM^7D!P&M/"VO:P8] GKP_&/3(3=B_+Z\O36^&L1KF 10-!O0 4#@M' M:<.9!E%[,]6M%:.V^.FGQL7.S'2?XF#]5; MF.50O[^4WUJ8Y%7G4A*>F.N5P TY7.A\-,]/7@\]+Q&@L\6X0\[9MAMRBK"6V.>]0,_L\"],_X@RG]$0M:PT6K56O.HMQ/H:"Q]MR$PSKOQ:3 MUCF]7/8;EU%NK=CM8LPYLW0Q&YQ. .O'5XSD_UWZU')489>N_RL(O_9@@92# M!=;%;ZT_Y,40QC&.;R12UKJ+0NNE3MJI--/T^;AIBA=J,OA;\3FHFH,5:@0@ MB-O4RZM\FZLB.BW1W05MKD"1.?OR\H1ECN+(17F:.Y\J+EN>W3CV8"'G7H-J&5<>IT;I5\? MM@\U?$H4(M782L5A-+M B#^,^#:],:OB3?N:Q;Z^C>%K MTW.^QO\D]=L\/K O^?\'W'$V<C%K MTW.^QO$V+V2]P:=TVS.+_,H#/"B7:<4.Y?CK+!N M#M8X7WH22E) >^MXU25JT(57K-3#FPQYI3]OOV>6E<|%-\@^TF$05N7@VIL* M/K3*PP:5M9,L]5U%M7[@>QX.L:/T:I23>W'ZY M7'^G-P:Z\(-K%ZV($?B)/DZ[|'T0-(L2R /F #3-

*'MV8$#B=G===[T:V_S^=YQ8>RYC-?QFH!^?917+&SS+O]|"6N(:>(M1%=-MWYY"\2FE1;&'.SNN8S>P@F/A\1RP,.GV!2QCB#FVOL0P%\|\+0) ?-2W1^/FB M6-FMF>&+ARF.4E8YUB0VV":JZ,^G_VX3@9K3800?=<]:V1^N;53A0LQ;-RT MHHDX>32;3=MS_3Y6!;2?<6OS=%=?XQKMEZ.5W2I66'6'C2PB3U&EB+0+(M<;

M\\@HH#VSBN'-8G^7E7P2C'6/Y9%LTHEO'H<<:V@7.W4(_5L>H.I]%6!M^G6C9L'B?):R0-!HAE J Z.(\ M=MX[PFE4?!=6X,O0)$7-E-%5

M)\CK>ZPH_]M&88/9HHN3,+7]92#\N(2&3#N]<\V&].M+NL9M8)(T_V@#54#? M7Z5^CXOC:7D #;ID''W*.O]&G,%TFOLN?+0MD@]/,>]\WJ-A M^46>XVQE3"P_]P/4N{()@Z;$ O=MB);![=/B28^3D(TJN+1OC=&=>0#6E+7X M)V-+Y+=+V/LA74FC_=DL2E@:<\$%K.KS_^62FH2QNG#&EUM+ZTYB?34B0C M]RF"RS,4YM.N^-

*W%76N2D]/S>Q/U:]MVT!J+6;YE.P%,RZ99/R3KRG2T-N:-_M]C;,[Z/XN3O[^\|,_[L_T]{HP'#[>N\PEARF6(H7+$VH_,K>X@C+KM#^\NJ5U@AN|?)C,6U"7N":?)$ M4E"_.0-

*+6@L$ZC5/3!*@M*U:"R1]@C/|"DYS&\G<05(&C01-7 JKL):LTN)5 MV90U(^%P.A)DS4BH&0DWCXIXB(R$V]NPQV"?K45MW3C\ZRGK0.^,2L:!L,*!M M4J#AW/E Y5)"WF&0\;

*(>.F0.0:4[12X(5N>*%"L M)5:2(Q4|K$#,?;*I%0B#JDZHA-F@BM%"(86EREW2#K)0629*= MRS0D'+;JAVSY(=_%6?X 1#G9H(6+Q2PN]5M$UTF":?D>_O89;H^;.@V'(8'8@

*M>X#5C/<8.4TM8THJO%"?RP,,HDL:41;AG]#T^/UPHPA8V13:ILP\|?@S5%>Y MT?>&Y|_RO/M#{}RW1) FA%RFS+ 5#@?) FAQ&F5 (6T9IR&> K6X+RG|-<[7D*9L4OIXVQOMU.P/O M+@5\;.^,HOF:.JHHY^IPS1Z_VZG)C+&-,(16B1MSBA$RR$AF*B8F). ^>V0]WO M$822?7#|\?K?1_,S_F5]HK$H-QGN@<:B7%L,F[VX6?A"=5#<*%3GF+2+?BE& MS>]H,,2E3^TJ?

*6#]VBI"Y01Q.E[U:X9K/TZS30Y:7A-GGT;^K=>9RPVUM6P[ M$ZU4YVR6-8%'H>|QW48 %[,*^'R^ZGH+]D9W?)@?&/MN+ZU!E.M3;,T8S)QU MGW5_6CI;[7)[\KAV>MD?

*VY>C2S^]*)9C%^-SJ=|K7^]I' Q.ZZ]?7OCUA'!JGM1>69Y!CRD MG_C&,|;.[W--+1_SU9]>].>FW[JR/RAMVCK4MQA/-GY_A)>L+_RR3T5W@MTT M4] ,Y\M2L]

*<\NVTW$Q'BV#&CYEC2->9,,[CKNR93T6 M9J(>S=M(B:DKS]ZE'MT_K6C!?66<*ZBXU:U0ZKBSB;=H\PK*S/?U(1U-O[ ]M$91DB"6%+(+Q)/I-

*FO4AOZUV1,06W);VZE=H>XI*ANP=&"WRY?'-, MM;A[==-QX-*;N';]VGK$[6MA_8LI6AZ\ 1]KXRA3+/VI?2ZN?(E]\B!M.,-! M/GD?7_?FX1)09E=1=NY(M P6-=C*^)=5FWH-

*MK/DQM.I.6,?QN.O*EK>O!XU^79=|Z]?WN%3"I=2X^TN M7#/;=?Y.V_7KW[XQ[G8JL$HK;+_Z17DCP)@,2XS)U=^Z/;_N7?F>;*5.79Y5 MQ\1M;Z(+V\POM..U]N]?

*[L96BVI;&NJ+D.4V(8YWK(\"& M/!8!\1@D9>3*XA?O5NK)QV5VL1$?2_IQ%@L'/^<*/?.OKR78SZ YZK.&O+YJT?2N.V=]/6.]921-G\"]1FOUIBFUUY M4K4RX%<++V^_F ?]^;

*\.5BD52S=EG[\)S JCGV:'W)H?>6W-6K]W1]2-/XMA MT7>Y>&"-X<@${Z#W=$,F FV5;+D>Y3LfG=N64.H5\)?7+CRWF2J7GMRV&4B. M'!$G6$OI/,1!+UT"L9Q^(=47=E1O&-MTI)

*(H^/$<\G2!9.P-HS[/&W;'I M%2K#R>_4%G"6S[RF70/!4=_4JKMP!=ZK X>:<47#9'SQ=1CZL0F*='1>YTIS% M.%))IW4E=;//V<;1Z4JKG?=FX&;6?N=#RBFCQ0'I*4-

*LK"K$]@'OZC0T:\++M M:I7CD$X[:+MWMU^O&PW:BL?[KZ1AK;9'S\#:Z MJV\UU9Z5*\LH\L7#9?OLEBE]+2NEJ@U$]-P*/G?[*SDSW1%2!^.7

*MNI[G8\,XRZ'HGTO"03[I_E*&#K.H+=-6A8RU-MX$@X*5&9M90-HSCIRCR27* M@O!;E9&XB3%@;1#SJD37!F0E3;DG!5=")*HO.4W*QOQ1]N6/=EMVUIE*[9.S

*MI.V/FPEYIW8:"QHH(P2IE'+'!N>1T80C;5G4E$K&^99I#"N'J<("R9#K9GDA MD:5"(,&(J9IA[5-ZK)VF>[G3S=.V8+RF\\X5I8N_7^?^:"(\ WO?.OKQH_PX_

*M2I5$RVDS/IH;)!M+'P!E"!,N]H$U?>_MYNW5KDS:4>2OJT3I3JGMD@(>K%PD&*?68V<1#RKE0E($Z2-[(IQ(2T###2?)>_MY2+!E*/-F;U-W;P^9?)?>#.!'W0Z-GH@\|IVNOYG/4&I-,-

*UJV4SD1ZLI=9V MS6>9TQ+DU|HB\6.OFC7JQ:R-/^]>.M.O@OVZ]_7_&I3__G=;96/319=V/K@ M.G=8'DKVCL5\|N5H;+^",("G?XGAY_9-!.,3_)?^AM(?_**)/_6AU/V"E/.K M|MD_]&.

*02R=A#FXH_5^_-0_8^U"N#(L?67EM0R?,"[_LN["Z^;,^O#^Y1OW-MDA/"[WCGW6|3)P+31WUCG6*=8!WBT4Z188I?_]UUW#>Y|7__RWQV%9YW)RI9

*M&\DE5#_.L@&!.G&7RG]7B[L<(=.>_OS4G@'E#ZX1!6!XE*C_3L"V0O>:\QO] MV,CFAY00?[V7W^@](=OSW5Y*MLFU/4'":,8!W^;EGR*5]OY%'>GFV^L9;.M\

*|DV/X*.&:8R3&68HE5?JG\4C6SRCB5L/Q5^H^;"OO@.3YN1O0F!WF1QO@E:CU[]U/YCO;TIVNQLZE"'S3WH_9_25-"G_WN]Y.V*T/OP90K0^^P8*0C M7!$L!/*

*<2.1M4$@+)1%)1/]@N4M27ZZ"I8S@.GB#A%(>\10(TE93A)/Q5B7N.M.967]V!U5;]^FTW/7T[;BJY_\W/^@8.K]YTC9).NW8%''R7:XM*LHVBDNP[.M127YD#-S;5G)Y\H$%=?ZQ?

*G>Q3H.D1)@PW\H\3^*"IBJ#&IBDK%M7W?THIK.|0U-M2YD72A+D1)2(*QZ0X88@[(1R/EKIQ%9Y]8IK3|\$3Y&Z4 \C;\ER+^W$AGH< M>3S\=:RRI1K!E8_KECY_/KY:1R32$2\

*<1I8%G)WT#IF4,++"]B,2H\K2RS]B M<=(XAB72(1C2$A5?(6 IW)\V"(#B9W.%N7W1$,2145!VQPEG=TL.',VH3=1%L M7(>U0]RQA)QE&ADJC=7*.ZM8A;,C1_T*9P>W1<|>SJ55?

*FX;NGSY^.KU1(F M9,@A3"@8:Q&7-B"C>4 >6RV#B%]D<%DMH98F07A"T0F*.!$"&:D$PC8$S(UB MDO ]4DL8[ITD!:,.ZI83P2D0..RRRIBC8;-CE3'5]GVNFUY9 M^QAV>??

*E!F/221B!#&:@#TH2D(5'(X5]B"PIR_"6^DA4L-IPBH"S#NX!Z]E0 M0Y 2(H682*!RC\+2]AB0]OZ6%65NJ5'&'9LQ%_O[."V]-GC636|GNNF5]8^AEW>?=4%SZF0+J(H6ZZT?U.

*<'_4<\L^3 MIR=5LMR7NH]?@?>9\-|=-WUW/7B?F722'IN4-$;6Y7)EC=DI'$H2<.E#P3[ M%"]+)RY"2MP1T.ASE4=*5$[9CP@GS*+67C*V1VV5%'LR _,!E6[2KOC06:CB M9L7-0\3-A_

*_5KRH>%'QXC#QXIJ:;32"/6\$$E;EL]1(D-,B(45<(-HIG)Q3:ZB*14 MV:;U$3GO&%+4&A$%W)34_N F)T.E>-7-BIL5-RMN5OMT7TBGXD7%BT/$BZOU

*MK,0BIF!5(A.RG@7F)=B:,4<*!YH"(9S(K?C@]F<=-&X^24HMW<51-GV.1]D? MIG,[*LQ:_JBR;+>L2$]HY14P7;AQ?$H]C0MJ6^R& ,YGHHP

*MCG3(@DWZI(.D."E<':_WXJ;G)HJC%88K3!ZJW(ZS&KK$#"GM@")RH.ED")# MFAA*]!0Q:+=",[.(J88-'Q-B(.(\8!C$,>9V:=(*Y(?D>Y0!R/L3L@

*M.F*N1Q&UM))PLD<=94%9'C*.*XY6'*TX6G'TH=11*J70)H$ZRG+7.$V0XT[" MCY 4*43P51W=871"J,51BN,7I_]@[4-P.,H*EF(MV'4 M\81##F(-']!7 XQJ MJIQ\'I$*/3SNP/C!{}-

*I:]15&*XQ6&'TH& V:;,$3 M1U%$BSB *@)#/J#(+*$D,NB>3@<&H]>%3UP?,G$5(=XUCD+#>MPB8D)_(V!"/C\$OXV$>D[3 X+) MW_]K#_2';T_UID"[]\D_9OVO.N-*S@>_N<\N<K=

*(47:2_S!._AU7T_7+H)B1?JE2F]$Q1IC(R166*RA3W193*.I5M*MM465*9_MHC)%98K*%)4I:H>;1_(MOIK$V<>O QCQHIG/1G9*E3LE28P6[G$1@(WG]I "IHF D_EOVPO-

*U>P5LV*@*:|78|GU+*I#M$-@ MA7)J&T%>6H.X;A*!B2B1=%)2,]5@=DMCPX$0+32@7U0 AC9$!$5PR!&O?S4C*'",-$:BLHL62K M $*R4D6:D(HNU_#R+LQ7I4"!"'T(3%G!T:7^ C=

*AY=44K<"V|UM:@6V'P.8< MHLX0@VSB8%92CS.P.60]LR1$'L*V*1J-M9YRB001$NZQ&-D AFQ,.DK''$#:_M/OG8Q%!*5H&M

*MN^;VD%MEWZV!03!+0L%+&SB'/BD0Z8H<0E,U1C[(C: C9"-MO _2(:_ AN6&,N2,TTAXDWP4"D>_1X6HJ1["=5R!K9W<4S2A:=[3Z@]G$2AS M/"!V-

*AO%614WM.5;,;.EVU!:UA&]>0%(Q'0/BUD60.@:D#@9X)T2]Q+)+**Q)O M*+<*U'8&,HU+ZI#SRB&BA>&>$RZCWJ2]8,$/)'K74]&O>59QL^)FQL2)P:#A P9*)ZDF6N(DMEP70@FK<-"

*(&9*Q5F%D7##(;*65$\S" M=_N#FPD/#:NM**'MN5MRLN+DSW"1>&HN)1X'S[+[E')G =I(123?:A;C#/?<*(*"QCF6WE#D!.&(P>T26^V|Y]-C M(4:'FC]P9-9!X>;3I.33?00YT&

*<9Y#"=V_%M2GU665;[H-4N:-^-S$O&\G8'OE1 M5+8#('CB7XL"ZH%48K3!.8?0V,&I34IHFAV3VDW#1+#).>F0UIS.)2*06EV'4 M"ZN$#1X18TL?

*7XQ,=L5XC<%LD)1)OD2N,5ABM,/@460 ^V$2T M1|CD9#9'-=*'4<1B"]8RS;G.KL5B 16".P28F1 W$H->;B*R&$ <2VFXVJ .)C$ M-KJ{9QX_X1FMN?,.(46M$5%X"2KN_N

*H)T.E'S6[K>)HA=$*HT<%HSZI"B:-$E4]<"1W%EE4/R)IPSGS@P7O$-<"H}]"=>AR<#C$Z[?;H MU(_HH5'5]|\P6F&TPNB#6?6)8)F|H<|SB+AG'&FG$R)@M0/08ROB5KVN))1@

*MFC#$<@$<;C ##1:P-(E26 M#0\-DI=>_|W7W73V_5S+5**R[""+^;3?Y3P>H-0_'PY&MNOT\4<7O$EAI_; MUQ&,3_!?^AN :\D)X7>\\VZWZ1.!Z:._^L4ZQ

*M3K%.\6BGR##%]_.N.NZ;W/=\$/|F.W%OVGB/#>^7 <<7'OST;L9WV'>N' H"K MLS*:\FFIE/=],GG"3GR?O3YBB57ZI_'C]"9=?S"O^6#M9Y0*^-4QJF,TV5.5X:I#%,9

*MIFIFE5\JOU3-K#).99PI8)RJF56OY+ZM\'%!TO(^/KR6!^-ETT M=A*:%W>G@7U8E\>#E>\TK-IQKN32;7M9:O(>B0%_C=.Λ/U9GN9@%C^"JOBP

*MM,W\TIVM3Q7I4\JHRZI6IT)*M2F:(R166*RA25*2I35*:H3%&9 MHC)%98K*%)4I*E-4IMCOS@!D%YT?R'/L_'#:C&PMQG/?\B%/B]^K$({S[Z(-MSC__DZ:$/OO=K]6U*D-

*7AKZ^*A:VP2CL&9+86,1E=,@:'9'QPG/*@XA^JO-C MY#'R#RH+TRA)>6 ?"-LAHQRB/UHD3HTOY4Q2)ZB!^ZM&M@IL%=CV"MB"I=9+

*MK9%T)+>+Y1*Y1!7"TGECF;,N]SVLP+9W7%"!K0);!;9]@E6&WM]MK0R]0TTE M>=<=,,,!(EGPCB)A:D1*2(DJ05951032]K*HHY89V'R[WB"-06!9J*\PAK';ED

*MW(#EMC^:"E5#06G55"]PI?N65I'#;9.MZE8CFFB!IK,](99&V8$X)]1B-:D2-`M.06V/>2"ITA?]>2M^2YEW9B0SV2/!{^.E;A4LW@RL=U2Y_'U_CIP]$<6X#

*MHLQ0Q*WWR&A+D:5,,:6EIG:K #((0JCA'EGL&"B)C"+G@D22\FB)&X>]9 M3LA0&%,5Q(IG=4L/'\LHMX#=B$3&5BQ&C-D?.0HFJ1(B);*L.7-JWAV:,1? M\>S@MO39XUFULRH?

*URU]_GQ\31=IET)TSB"!->@803OD)!5(6H&M(X(&HB_K M)3Z%P!@E* 8>$&?2(A-P0()$9KU*5@>[1WK)4)"JEE0XJUMZ!' 6C:",Q(@< M3A%Q9QBR(@043-

*)"2.HY3Q7.#H7Y;Z[CHQXMOEK,IA>QRI:CX:|CE2W5Y*U\ M7+,?T^?/QU3JB499@A0FB(L>?8:V1\32A*(6242E]!+ZL(Q(7;2*@3;*4?7&;

*M<*198D@XIE)R,AK'}D='I')HJ*Q*8L6SNJ6'CV>>!6I# F/&.(UX3!KI2!+" MQD=) :\L5Q7/CIWX*YX=W)8^>SRK=E;EX[|ESY^/K[&S]-=<1HR,H:"7<.^0

*M59P@CSD.444NTY9>0I.*RJN "&,&\:0I,I(XIATB@LEA'=[I94O&L M;NGAXYDCV&*&*9(*6\1M#=L=442+KA4P6 ,W8K,/%S#0D?/EOAKWN^C'BZ^L?/I 4M9' *! ZSK#+!F:-CL6&5,M7V?

*ZZ97UCZ&7=ZY^]@BW*Q%1(Y2B;@6 CG"$Z(-M9X62&,*W(FU5DDH+]A!\|1 G5H QG122.#*/*?8RDOU1'Q4?2L*K^EA5E;JE

*M1X!G@=L04T"2@$'+4(!N%0H2SP*S@V&U7'/2)Y+H,!"GC",(I4J0Y M48@S*UTBC-"@]D=5$4,LJ^. .^:BIU2X\ SJ(F%&/#$1,&H"EJCK3U&&D"5A0+

*MS@I2X>Q@:+\F.3[].>2?) \/JF2Y+W=]OQOML^&_.I^(QKO/C(J\)%FBP3H0 M1R90D"\DE^]&'TDPQ7#2-M+M\M|:$Y&,|@7="<'1Q"L@*EQ .CB0L.9-TGRJ= M&3WD^(%;+-

*VD=_&A\U_%S@J:-),M8BF8)%W(.MZEQ(B&FM-ML/+.1[*5R"$U|H+0XC#-/@"#0X8ICR@:DJ&`|:O4>2*84.I=,7-BIL5-RMN M5@-U7TBGXD7%BT/$BZOU+)VDH Z#L2D2&*A"

*<&1RQD,TS(#RI*TS6SV'V?0Y'F9_F,[M>#!K^,/*LMVR(CVAF1?#=.'&\2FEV=-TI[) M8ARH8"->4*FT0<0)@K@A H24T<@&&8,2P,"X54&T>EYO1T'/3[95'*TX6G'T M5A7"-/-

*,6(P8HRYK_.198@UB/M?9P?D .RN"%, H=$]84<>D3&!7Z[WVN\ N3 *=%#.6DF656:OWX?D,E+I&Y*HD2,PUV2R#P O/>] M P ?TZ(DK N,%A@M,%I@.K,*5$.U\$I$A;5'$VB0,-

*L:81.PHUA&4V.W%"98 M<>$<"D& "\NCA*MQJLER@<G:$;\/R!T5]0"\Y@*C!48+C!88?208Y1"@^PBX M28.27?F$92JBB)GG6G'C:,D.H\H%@Z45R(O-DS>*(;JG-GFC@6I12Q4/*3O*

*MV8#11^YF_,IP]*H*B]NK)G9)XGU+*13,QQV*)M0U-1/BY4'X74S42QH>"$SZ M]'}]!WAR[5!OB[3[&OQ3DH"5$1=Q?O6++WPC+N+\BA?W^$9'W,,;

*<1'G5!RXKVW$#SN+\|"LTHXLTD$>%7Q 6O>/9CYUH6KB74[@/L0 MF'J-X+._(Y7[FIGAZ?;B,CQS4I1BJ(412F*4A2E*$KQ4$DI:E/4GIA-L25% M*8I2%*4H2E&4HK2I>:

*[`1K%JG03A&N#P?8>#W0Y)&/)1=@*\!6@.VP@,UZ M4D>J$DA\"V0@U2,?%"[ 5H"M -M! 9N0T2A*.:H!X "D/$=6.H>*JRUJ%V:<=='DYX[5!47MFH@J1D /R=MV#@=4"P+L!5@:_0E+

*<"V3PI5&J/P@&DX44\Q0CVRU!!D##A?=53$-301D;#@?8M 1@*Z%H/(CGZ$-SO+O5G\\"2.:H MLF8Z'89L,3>E]UKJG9/2P6N,I;<2^0UX>""UQ@I;@D":^25K;D2=HNDEN$0

*M9*T<(1XX 03I8@Y'$N%N1AP5MJ%3^]+ & M-I84,2D5LB0 '#)!M!<14!1?!DY[+'>'!*_BZX%W+&54KBYQ._1^$(C$>T#:Z MJ@=$D8*;!3<+;A;'74';.P!EEGO.MAY.RVAC/$"&I;M-

*1@31C->)!21>-Q4RKPP%. MI@=*/'(50,'-@IL%-X\)-P,WF'H6 &=\C5B0#AEG-!*,2<6\9T[fR{C)"6>4 M.HFL]1"H*^61@I@=Q1@$Y9&%7)AP*+@I!YP4V"RP66"SP.;>8+,6U$L%7]..

*M5D'.30.RT1D4I(BU"%?2^7!H[3]?4.O!):9TVA@+C2-O@42UJ52NB<&"3 MRP%695_HP_.EDWY4.9 76>,0S.SH+F2?Q9:51FBE$=]-_22]\5]H@+"TJ56Y MB<@J85&-A6+1$

*RN__;Y5X=YU I1F7I0UM$CPVU$M;:D^IV M@7%FD*(.IH$Y+J0**N)#:BA)\8#@)]W(*SA:<+3@Z%'A:!1$!LYJ)'4J) -] M1I8.!(G:1!.HD"9LX6@J%_.62815.N)K)> H-NELL':$"%L;-N/_1.-

*/XZ M-!HO:;;@GN^E)]T?TU7#<=STTM,^CM,R[_OY4;F1;D,V). QHW/BR> *.(`_> M^`NNY/CV#M*M'W<12^(3^+\N8+X4A;%,/VG:8;]W-(S@E:\)63,MO:;;@GN^6(OKMEG*(

*MR4T3?/5ZKB#RCNBUA_75&TO;+>5BX^L&N&\HI1))'Q1BIDYE@D8@36JL0V36VO!?Y);JH.ZO M#O>LN,I/^]IBVU&_BZ3WWTU/>K=< 9OX.Y&!:,]2Y-

*(AIIM%6FH/OP8,,G"M'MD@\K.%L,O#2(I%L/8_S(T=C@: MSBX^)ZOV&1[T_;AQ?_NN"N!=3%)1WW0>UB5BO1R/G7!*_W1-3=Y#,/,A0O(P MA?Q\%L"\&HV:KP

*Z53;W%=R_A4_;RIV9|2G<9CBN9O"]Y1S>+^+?_H'1;\\ MW^>,5RM(SZA=V"- U\VF^>$WQ_(4Q//ZHQX'=U#K^>>M17>-/#5'V$R^"]#DCN#/V1#^C^O-/R.X;?@ MWWS>/T_5)_:?

*%]V%]1V;2AG=MF)BIF87%-.28IKOUJ]VK4+WR[ ==MKY;G&/ M*TIONZ>R^D2+/ZU;S'{(GW=T5'IUVFEXCI.K\YKEW!?D/"PV M7@\'KIJ]WI&OS.Q?!/3/?_DQN-

*[KP8A|_!\Z)/U^7RV&2WZ5/1I/_KTP?N< MHVF+TA2E*4IS.Z7Y,?BY*UI3M*9HS;U\|> DXGP^U M7E2-S1*V,+L!MPY!@?:)2F\^IN1_,V_-V+=O|R\$AS O3P(QORD>A7O;QER*]DR$7(MCVC(#^LBN,^HA]PQZGF1]'H_AABFT^#OPK!7K.FKT[HC!)HBT4>^O$5/#&\W8V'9I1HI7MXE0TR M#H'LX8@Z95CI O/&H%I8@EAM!;(F8"0(IXI9)_5V1TOKL16:6:2UAVLHK\'" MGB)+E%;$I^8;]#:G+Y>G+O?5NW) L2@M,1Z,&,8PL>$'HDK71 MM)/Q]=DRR0+4>W=C98*CE2VF'$B(I(*R:0 M%E)CI](5)#Q/EH#5_"A1I#D]>TJ>^UZ-,W<1:)6>$"W+OS&^S!G3'K!?&V1 M!P.%&5|H!QOPP1 H*)SA09JP11.O,*:,:TCQ,0:3&TFEN$LHQJVNGL3F*.MJ/>+YS$NT#_GCT1 DE (X|"ZBU\2!8$C)\(10K?R+'=A;3V'' MU'HZX!X^644=3.R,-/X7:\LAQ;,9Z=^P7F%]1 M OR (+]DP M6%ZQ^YKQ!=#(&9I"3P2$F<(ULS2FB+'"K@B*!;,;67(]Y$+Z)' MQFB66G4:9"@52. @1(TY#GJK+]*K3(,?$);NL? 1[BY!Q]0GXL=56X?;-%<8 MK#>,]*:!-:=C>+Y QIX0 [CKT7>X[_];6+H8K1,$4>E5*LI-O=1P -B!/]8< MZ\ ?Y,/="F?ZYFR_+U?H2N 1&\##;P*>$WHE[#S]VE?P[5&:^28NSE*#@\]9 M=6D[B:I VC YG _(IP\<5W!YW#-.HUVDFI2\O#F[3]=SZL-JU:,]M3#=NL MWM,T@5_/PD:GF*IUV$;4UL84TW"-$M,HKAL+ RCZ]9D+RJXW;A-\YX0!KXX M,"10 M&,-<,T_-G.::/8S. ^MJ?l;,\" M?.7D&96DR/1R(_9B6ZXWQ6&X6/#@!UE&Y^YL^ROS\9IDC2XJ/P^#3CC-4C1! MWH=P Q"X#3U(PM^N27^Z&=PZRP^XVN<9EWIARN]^4NTBR1++<%-9L.C2@N%\" M90-,Y'F8'8]4W]#G\>Y.PG>[NY|Q5^,8@D41,X)8U!H9%AFRRBK*O<6!ZGV8 M^H]C6(%9,[WX<=BZ4=/.I[=I[Y:*O+7@'S.UL M-7++AG>[>|+=3OG0GO%NWYW?Y+-T?A/B1&MZWXY:@CQU1RVE:+WZWWWO4\;[-M?=F+97=_,337I27%@:WM/JG=-)]VA=F)B/QAKNU^,Q.M]<,K$E_,,&4TMGI MT5&GM&3^T^E+TY4[Z4HK4%@M^2#+\5(@DCBPJ*#W.]G@F^[,6U[Z8LME*!$B$A!&25*\|+WZN>#R=[3H6)RP.B3.O0OGD.MX&//QX*/=RHJ MJ;GQ6'"D:Ld/'IE%*M.'!&=$E-%0B??]W^\/"ZD>8*4+/CX.Q^3.OR9^HH- MRCWPDVS-5$^^M)MAQSD=!?8!,6)T:OPHD ZN1I$X;[*0THHM;M:[..S\-FTF M((D7OXW,>/9A[`_ZG_EP<@YO?#.Q4M432@7_87;;5_XO?%0\3/QMM9CA097G M.),(+6=Y #>9/1I-DV-1FT DLK1VB+D(*Z)CC8(%V5"<1[/=1"FO0E0(FM(C M5Q(P64I 6$S185(V/24(=K9R3TQ-ZEF8FC@&2WU?X)I7WEOXB+RU(|\ZC'] M$_G:AXCE2\V83RPG;KS M49?0LH2=?VE0VX\,%4!7E#\VXG4WG?0EEYALZ3[*H9=)8E#H MZ?9828RI)P@3B91P$C%"=(!*Z1UK8)71A&^54DL:UP'N D](@AB1 .DF=9(MX1 3U27P\(@8:EUX0!;K*DAX!=%$6J$O,)-AS@"X?++*,8829HDQ3 M4ULA+T-7;:BTSA/D0fT0X)1'2AB&A/$2_^8)S6Y_@'2OT,4'3)84Vf%#UXZ= MQQ>CZ+N/>7,2O(P4G 7.&6*@^\@$:Y&4G"KP-T!YMSB'}N1@=`7POPQCV%!! MU ;WSL^G%\%,]X=4B:*H7][+E!'=G_<6]"912N^^[]#E,(Q%V>,]E!#Y5^/:MAN,PO=AD!BC07:SQ2P"2_>_LTDB4LP)1X1U8),602@$S,\8R =ZEQF'+0X\S M7:NTAT(\JZ\3:V0TDRA(QTAMN\&1#\TS>)\8XR@LKB=!,O*DKY^[!+*!ZQ5 M1,'&@!CF MF@"/+2U31J3UF]U3218>.M]SCUBK7]&HN,J2-RVD2GE).\"/T_$ MC!4?4/K(E'>O7=!? 7:]OI#9!,>B#@$Y$2AB8*"1<02<#<\,CD99&NUV\9@V M3C,-I(8(F\DH$HEEJM7@+%#]!:RSB@8;,3Q,QH_7[I9YW)IWW5A/DO$OTR$0A M2[Q!3A&"17"6LRU&.A-9+8S4B#H,*R0T3+EUR3L,U'/NHJ;Z,.<=EU3%ZTA5 ME-W\93GZ<60.8K#&*AT*FT39U_-]%:'IX_+=!9OZ!`!9>]NO[1>"QM2VH$D M]ENKD<&Y"X#C/')%C=Y[@OM=A)A!"ZD!FDBP.U7#AM#1/"Z?A:W7P]D M7?;)"G*5)3T"Y,*UJPG.1G& +X,N-A:PD]$"F^H$:8.6QXY@)R-&I K.!P0 MLQX\QKYTH#V M.!O0"D,HY80@XE+7$^D9TMQZ!%#F?2V5--%L]4RI"D6 MEF@2(/AWSQ/)$S;@LO3H+DYS@<@"D7N#2'!MF)4R(,PA$&&RKI'VYB!,%)'1 M8FW]+>8-*[W3&&(0)9E*S;1(=WS=A=HRJA@GDCV1-(!?^P#304B7P5$ON2\ MPA[X(^S9IJV_H8S7,ZH$I\H54SK48I"*G@L_,22!_(IG,>4VEN7YK;EYSW M2X&9O?MIG-';L&B0$U^D5IX!.PTQY1/@^;'-PS%ON.[!@'QP;GX^'YE9\ #*\'4W- E>"_Z4M'I)^]\H M-V_V7&ESQ38"")_P= T,?ES# OAY M%/(/X.)].&d(@]?^>_WZE^[>O0Y4<#RA51GC<#ONZ%MU@BDP76'ZP/03P#23 M%,92"|01K0&FF4";$8L(KXUUS#*CMX[*WB?L/C289GA U".??2\P_;I@ND3S M)9HON[#/'?TO3,.@FB3CL,F]-JC&H5"K[=ERD1.23)=OYG84GM(%?)[F-+>9 MC,. M;U[A|YFW0,0D0L>@GA&;]14Y$A!PH//@PBJVM2FSUSWFOX9|>7P. G,N MGM3CNR0JI1BP &8!S-<-F$P+;["*B"B(H-KCFI#< W 5QNSQ12QUUWL M/0(FE@-"'KDDIP#F*P',$AN7V/B&V!A^-J#7.PY^^^&7 ]& U;,%//K:I]UZ M/I8#6X^TV0FG]$_7A-N8W/0">X^X+!W,?4L GMNMPK=)&+>A^FK:Z#]D]#*\ MTC_N>O0=[KMW'X& @\"(2Z$4\8B9$)1(B("M2+%RFM-MQP:$;IGTEDD$<^)4 M|&N02@Q4K-.,$ %^!=DBD5U?BRM]K'A$_";TN;R!%_I$#S]TE;Pf5&:V)0# M*A*V"MLU#UHHD##/-&+<,PC& T:N9I'77!+/U64)4RX8+"U 7B2B,^8Q2!BU MB!@;J!:U5'$K;\,"/M/KMX\?T8)@Y>N9F>A&@_'H3]'S_:*@"4^^]/,)F% MS8;Q8/#!?BF"<[R=-.\SWGH:12>,!U_U; MFERXY[NE%__MEO[*0XS;RC%Z>G%8HWR=+/R6YNS_GA>[2_R;"X-Z9T5=ST;[_]L!+D>COO%C%[ WE%5N3@]W5 MW.^B/:7W=>\5VN&.KFO6W<&YP]CT@.%X;M:;>$Oc!0;E9,0D4D@CD 7^3)&>6P_X M<0?X35M.9@FQ+$!&I&+M*5I*9;6QD@@"L,\E$&N[4Q,I,)M/FM&Z#^#+"Q6.\USC[AF54O)YQ"=8;_F.8%8CX.G7OHDRQ;8Z2>_B"Y?+\BG^ MTHQ/2P& \|_:-LS:S\WWX4>P'DT;_*>X)I,N#M.R^_D4X/#6QGW3I@^R8[*B M2YZ=F5GU%>Y:QRG?X(2/I:1C#'=K\R@;&W,+XV!0;*RT M$N !#<^[%YVM0,MH-E6Q\("@$\%8&GBVV$[*T*[>9P:UTJ;8)'T,,%)28U;X!QC(YW@ MQE!;~RVFW)IX$BA#F-+4WR=&9*42"O%M*KC_U6S/S40LL,V.S!J( S:.Y M7T!S)YA3,#_ C>2B)G4M$!)X29KA$VOF$K,XBQ9E#AM0N."^%CUN)GG3TCZ_\. M(_]S_WW-NQ)0,G)U7N,SRF@:U*Y}]P@FRM':@X0.!UTE<;K_LH_MQEL4\EO M/IS6SN"?Q6V2AY;CRJ_]6C/_M?:(/8%JRG>V@^[N9#&D.Q:"NDGC! MT\ LN'E.*<2\EBAQ&2)51^ZL]R6U]#*ZT6"44A@C(Q4!(^PILIP&9&IL3$VU M80XOT,VTD_&[WZ;AA[6%^B&MTYZ,)R7\,/V])(4'M]H@>Q2V&@P133W^%!@G M8\%]L@0KCC58.K-UV$E0&HE"+(AI7DY@6VUB(,9A$333%G!6FRAUU%0@JP:!5MPCI;R1%B+7Z+8R+$ O4(VVQ[^5M5CYJP6BD6\Y9:T-^,T/_P]VI$FU6'F55(QNLN.+K:"MKS3UMY7HG7<'/_#@Q P3#K%E#,B1""%D#.#/2>U%Y1)'3J7.TT01#Y!40M$W5M@Y2.;67#P'J%("S$>LHA MA@.#2%%%L)2224>=5$(58%FK)7F^5IE3%8-I3/KF_)[VN??ZLUD@^7" M.88B!D>1U2* >+N((AC>X&AMI=ABV;Q/QNV#<\E4M+^9BU0DFX[#.S>=[__+ MT-CD* U#^^,P=:.FG4 #9WC8]V!@ O9=%4 S)BF^AB ?LOA&/4]P ;4K3;'- MR.]#.-Z(MU4_1]5/7:711J>GO8H!#X18E;:TE."PI$H '@*V41FMUCSUJB;[ M$(,_W%GP\U'X%++>7_W,2C%NL_!%D6A;KWE<8M^M[6@E9E_O8[W;FHI[E]-6C MF96U(2X]f7.A_:X3W(GH+K]?_=]SXO:+5W79O.7'#8*F8*ZEDMA MEX;=A6#AQD.Y"RW?@21J3T"RN[SUD8X6"=_=YQ/.]S\W\>CNM

*J2;JR\R;@!Q@H^F5Z<[+1GAV>\'I^E]@Q>/'0LJC^-80@A9/I/ M^/OX-!RKU0=U^3\&S!K(3R)KV+2,7S-@S)8&S?32!N*?V%O! *_-H\OSF""E MZ1I7=!RLT\QIN[HGO,P\@JK,I_U:9-+7Y7WA\C#,_'V@ ATX9I;^2!?%IJ0 M;'0#+H6IV]X/@)TV)L%3[S",PIH) MD//+=N2RB[=-D-G.+5B864X!F^%YNW GEN^SBWD&5Z?J?3E]%IPL4_HY>=Y=B=-6KHAS$IC MVP:<'HA?73A)P ?+,NY(^U6'6&TMW>JJ:FI./&XQN"T\(FN#1EI% M&C77E(:X68"7Q__[T3 MD:JP%($PU$A&F&WP8JFLW"VO^9@QE:4'P M>NN5\1XP-SD6*"#$U:,22THIJCF1B.FHP69DQCQ&AL2"=,<;V%>@- ]0]R& MN \$,052:HVH$<<*+N,UCT9O".OOZU,$XAK @/]?(>0X"1Z=U=7*$SR?G'<. MP#T-_2*T'[8;QK?-[;]B3 [/P@/IS/$5YKI/I6KON_R3_\.I=S0KN>;T%OQ M\E^EW%TFY=P,3&,T M2BD)OI7?PABK/1&< 1K).@(N ;R8] ,R=1V4, (S;"X9Q . $G*04))-YB*C ML53]*SP]DUV(.P/(WD#CCKF&%]H#Z@#/73Q-"N7GX%/Z:E#],4L)M&2W?FE MU:]?QE^&TV;<1^N_A]/Y]$M6'FM:Y=)F2CNW_PV!>5*[N)C#=CF'HSR'86,. M1^9KM\4P74UF3DVTH?ME63,R4 ?LL^1@:$994^V&8WF,S/.F>91.4W6[E[Q MUQ[6/R7GHQ&@0I9)C!)KO"PV!GI=^9^5NVI\$/_N<5+^%L1GE[Z3,[@W0 M56_2#%)#I<7NXV@Y M7XO.6,/,E_PV;5P(*>7>YK_C]UT4"-K[?^=P89B"]OT>[0_D\:8;8_F^79*@C?*C)ZM';V8? MASG]"I^#UH]GHXOUB4F?KTU.>HO>ZJ?V5J,AF&0 D!QZY.W<:6.SB]!I>N]P M-><]A7Y'R3@WG:<6.+FC%5R742#?H"L>2&WO+M9NX)=M!K=ZK6ZU]"[-2 ^] M&>DF47-I1OH"'-$-S;KO9OZN;E+'VPWT]I9\48"PWB/T6&WZARL:A&]N):46 M]LN-;K?6635M)]:DS;>\809VKN1?5AL2.H1:48M$T HQFY@B">4HRX%'(?DIER@6U>@1Y(.M&7OI(K M550^4DV@=((]7E%A$:@Y+G5+0J;146=M@]MJKMNK3YOV+#L$)\'H3L?JG"W18U7XN4"/5,L. M[YSJD5:H5$#-5MSN_"E\%R^VR8?DE)Q>.F\5W21 MDLS52HL"YD6]TU4YGF5^)U=@3\-6E>6F*:7=K/@U^MM[[Q3\6JCF/_L2TIO M5 Y^0EZ?JPGVYH8D[SW-;9IXCOE$Q<;RRTX$UG^ 0?GD[Y1=%_PIQ8EBKL% MZY@FE]'T%#SOY*C%Y9/E)L+S!9=+F*N4BLF3TFOMF^C=XS_3PSMBE2P?]F8C> M1,W;,$ABD]9VL<.^P(?>\G4%SZ&@Q=::7#HD&0Z\ M-E'SFAZ0RM0'64]X8E2&/M_;'4J2Z@K:AG]#=W=LHYG6F-8N49"G3CR"(4L= M0U(3Q>%OM=WNQ'.OK&MHVQ ^=14VX]-2H?VB\5 MEN[=!?O]@ Z,TF^U70> MONOK1^;!?YC=]B5?Z?[RE422&+ ^MNEGL.FAFU!<'IK\E8K_BNEYTDY'<3XBH M(-8:&=N _#73BT%R9D-J8MJ?WNX9*!+BY5=*0<&OIFV-.X/OS!*!PN]G#805 M'M1SB/"__^:GCF=!KC;K^';T/5UCXLZ,D#-]ODGU\)OCL*WFYP,U]%*3,S% M@D$BU7X-TIGR43HEFL^BFV^++,JR="P?,U\],R=?\I/79P1L4;.8EM6!DZO> M>U?@=?E;.R@E4NC=+HDD'BF1[W92>=I$ M@PJ&L1A%?N;:T\QTX^2(S17F?5I\1Y?S6B>LW;=W?I7:%<;T*LO 3HUU3G\ M.IIV_"A;XQ$UWFN ^[ZJRV) L >3)NOZ?6G.5W8/23_/$RUZ&XX6Z2'\NT' M>8&_F.$H%<=N0BLX_2Z5WM_\F+0A=9JX""[ HPTSP#3XJH='}5-IQF9TT8+@ M+.?HUZ;QJY7Y?CX_=+7X-,S!7H FG%R<;BY+POR]:MR37!7:ELWWHN+1DLQ<0, >45L/,9(/W]NN[C),[CE#++1X?R4<_=5F.U;EWQ M_^(5FLF2I*;+X^A;&J58Y'U)*Y"JP !=+XWT8P+[%LXGRT)X [+2,S-94G+],(+B_+P0CLT/>H0=MM]OI:&*-;T)7BK^4HW4=7$K<&E:M/6O-0^SVI_N_@FZ R4?=;^FH3#/>]B*- M5+|[^9K /0=+-#-FKZ?.T0_ K7R M<^$] =UH[<^'HB /*#8>9C,3M6""UDB38!##T2.#@T:R-IQ8KNK:[Z6P;5<, M_4LO0A=@"N93^/=S,DQ7!=;'A0S]E QS('@Y;MET39YYBV(I =P5225%&XV:-MK^V[AZ/[RSRSL* FS\?OHZ&IF+9CY[E]D8WW>/ MD_5)_:?%[V%Q1V;2AG<+9%Q.0W:QNUM_MZN)0MI#[-3NW>(>5W1'Z)_*3[CX MT_J1DWI(W9F3/\]S*3EA][P2W_,R?:+5(S[QAL84ZMJ^%+O$[B[-*O;;>D<=MV""NJ[3J_ZU7:EQ#@GS__B@!O.(\[7]W-N^.=5I+*G_^L!\MU#Q><0IF>?M K7T0?[%3Q_IEXR-7L?^U!GP,$GQ[B'JD)PHU!'UZ# -T-H0YA\/O$GSOQ]P<=[WIDIR+FH?;%.OLNQ_FH9Q!?]U= M[) ^GU\PK[2,C I=84X(HI%BMOV>ZMQSUYY#Y=+[)W MS*.VF'RUYH87RW$TVE(,QH;!D"QX(BGR@*>(11F18M$F@F$,AL%@;\23&8P?MY^&O\)C/7\/H2_@.U.WOI:EX\P/AJ^HKC4H 2G3S47(AB+HY&6XJYV.C686JF MO.2(1NS 7/B =! ,*5.3'0/7@FRQ&CVFN4@1Q>>OS9ZL!!JP_@MXJ%60A8K<33:4JS$AI5@D6)24\29DF E]$-**8LDQ!-6.&XX>]*@(EN)Q-ZT M)SO!!D+S8B=*-+$7.Z&*G3@;;2EV8MU.&%9';S1@/DV$/H+_?_;>M+FM(TD7M_BLG?,V(^==0JGC8(H'$ 4>Q?_V;5 4B MX"80(&$R>K&)X"RU9#[Y9%96I01'PA-DB4J8>/4YJ;??=N)G\;S7:U1<' G MKJ_F]K($0[H3]!*?7/4^EH/8][&XK]YLFV5Z@%]UY:1_5;+D6]PE=EL_)=&K NL[L^]-6)$ M1,:E0=%[@GA0!!FE/3+>)QN<<&",'M+]V97;0P9:UMRLZO?L0'&RZ.83(.:S M_LAQ|(*Z6348U06]+M"M_5H[M7*N0K58.Y6. ^D1S>H9QO-\&,(CFLS'V3MSE|%X\M;S:FN7P)[E[ :P M=A9L7)0)64D<8@1S(84+=+-VVC;6[AH[MR-[1N7 ['OWS(U"\K3CA/!W/M;DM0%]P'Z>]7%I+NE:(2IH5HM=W-I4*T4!!_94(7J7)W@_Y-#*G8WL2SI5;75( MQG;DY1-9D5B5NN(()F:'7BOE+N>&%+,'I4ORV?ZY M\%MF'?EPUA]L=WQQ/'%*B:VSK \C=/'+-%R<$(>#?8>^X28!#'E/"]P)FF0 MUT[E&*2>"53=:%?+FL>6=!!UD^Q/KV%3(OU6SC. 1))$;&)(VD M5<)8FYP.0^?72Q([D(4K3CI#QI1+]MX4H;XY3?SIW?V(:#*3]#,+S*:[4 M7U\I9&/[-ZHW7)]NSW59TE.:6Z-0DI8A;BF#FD#'$-B1FT$NA')3G+LUQ7F MOQ=#\;8?B3^6 U%^_ C#0*XLI7OV6#5=U-'%+IQ#*>E2"OMV1\U7"MUR);0O M<;$O:=L]38@8^XOLMAZQ'V((\U2(\.(8T#]Y\,&%/ZGV/ZX&+L 8.A^C],< MM5N# ,E\&L\Q'1%5T+]U#9D>%+ KMA2:0A2>%4,*@=KA:2VR] M*D1?#*,46/'C$_C>OZ6%+]:[5*V879%R^[3#/3LO!.RLY,*"470B% 750B,7 ML$.."2NSL?\;3S[GSC[83&M86?%30\V M+F0W3=D*:[I&8, /CZ(-U.?("W<'YIYG:V*$OXPR+IR6++"-$Q/W-?>7YCSS MI/?I!WAUGJH#8TPBFI-'$YR#(VL]5ZN6[3;+-AI?;=E6BVJN5GHZ'<^'X4KK M=O5@WS"R3ZO@;'I[?M7K%@QXZZ\O6K-1,+3|Y-$E MQI9EUR]N^P7/FO$HHAET*1?^.KXH]9@.K_2[$E8TT#DM@J MIH7CC-K+AM)$:6E,#-'D1:[(!?Z<#L"S-.=&:D*)$VN&,LORVU'XZW(>/EX( M\OM1S'W.,?D%1]H1)QC'Y9BM<:(BC[E$)TAD-P>YNQ"G-!V?G%<]7)&KONSC M"@ 4;Q^>WJ6AR'RI!Y=L.XQ75:M>N[/0,N_'TYR^,2S%FKME[;GS)I4C,_(E MJ'AQYV.6EULK"-N&2^7_;/.I%&D>E>*9H&=]U=.QCS%H>1+0'EX=E[JL2^>" ZJMR\,$TW%>K7//M#[0:*AQ2'$,M-Y'@AQV'AG#-7/21.+OA5;+<%(&K*O0ZCS0 M>25KSXGL71P]BF&!WQ'-)KCR()WS[!?/=K?CG"L< MJ%*.YT@YLEB,Y[-N!M.5=693=D#9A^4K>TWL\MI5[]>Q2+;[0WTCU@DL#S*' M4\1-2LCD0^"#T2)IPZ*3]RHM5>(_IR_FI*=^RMZ?$BNI"_(@=HAR[OOEK= MO+&^'^1]+LR!Q#(,C$%K];Q6$;,@3F$@_72.!ZYW$B,VX8+YQ2)X;B;3V-> MFCK)H%C:^$>?'9N3B[L/QW8:O\|F=;F:^1%>^CU@ZY_?-!%F;9)1:#I?- BZ M&G=AK>3PKK^CF/7_?+Z'> GW'X M>3KNUA-CNWQSMPK*O_SVTVU;DCD=4'7]:;F/ ,R9[@&^SG[5 PF#]V?6R2%<32O*=:;?-Y^Q#/>V$FYU+NM:1:BI< MSL,V8'@L0S: "9*":Q*8%HQL'!ICG6'&:H:\RD).G C 3<&SA28]T =YNMK M2?<3\[?+&?T)9G&7CO !;S2 )]%_@"7!/,@KN M"08!(.G +99>FZ< H$*: <,'Q6S[;F3H6\//"IE;N5^*DQA HFUR)=8-[E=. M5C,A24X\]6'?( ?*;Y!MX[-L:X\8D2)ZJ7D4[$E ICSBAR38/60^M7@-&&87CR60X/HMPPSS76&XR*P* ,S+Q8X[VFQ:\;HTI19)%4&?N\;(8]-,1KS'SB7F[ MX:X_J*GZ^FX^TE(VRF'<;Y? #F5)KO]F4,:RQX"<6*P#I-#[8@(&D>7.U#,B' MO&_ |&. $HB!MER(:*((FP=(.^4*KZY_GV M?)>P 94'Q0HNZ.YUIK9GOI7NWD&T%1')22P0-30"W146Z>0Y(D2#L00K2=3& M=D 6<30I@MWW">XAG"/-&4816R=)5"IP]R3H+CY$NCNZ8(]" ,@5#EE*#A& MV)=E*H^LQPE)F@AA1C.:-O8["V5DI R ,U-';@0!,@; 2)WW7@4-XO95' @BL0G$71"XZXDGDQ%>B_2-J =Z.3 VR[.,X"@PBZQ0(01P,+Q[&J%2?)CG"P'^96\|1TN7GG+3'V0YGB[=\&X@^9[^>R:R; MBG62XJCY*5N8=@0-, /1$MX#"A22"B1M.N[B0D&O@K4;^M"[(#VKSY>)V]R'6D6,'WB^#9"9( M(M=&YH.O61LOYXU/UO\'S-83GEAU4MABQKR4['P$3[P.#1Y:72U966]<6;I4PLUDR7!]!@+P/E&LED$N(2,,$2Y1%+ MBH'+;2S93"K8)AWK'9CM'$7[/4Z+N_T1'O?]$,3CFR;"S$\R(9O.%S4?H ,O MO)W=M7WKRT0WD#C].."3NM%]4=.-AV(64?4?8*[ALEGG5^ 23^LO+|'\+K+DXL('=<#D-)'.L? M_4^3^$O-IQ*CBC=\LXM M;P/"Q_'*?[9]3NUO[>]+Z^\M.]3UC:>;7H6I7[-K_=9M+DLDO\):ZI T9BZO3 MV!:4JOTO]B[ZN!#9**7.1?B[-U\'.I#=N^GBU-8VQ^A<_'7?,N9S=L+P:' M,#8'(/>/1 ,7SW\[;>VP[I(6]O!;.Z]:L,TI,-7&5AN[2V#YJB.WG@7TK.4S M;2\C=SEZZA"&[@ 4YZ48Z:I+59>JF3^4$7Y19IY6:+HT>CGOK")2U9>J+W?6 M%U;UI>I+U9=J7ZJ^5'VI]J5ZB-5#?#ZZ(1/@+6V+Z(I>=W84ND$3Q_@X MF?VGE_[EQ_K4LYRB=I&(%NS.OJJ+4'?#GEM*$>P8?)Y>_=J2P&IGA!42Y562%&-$3>)OT, M14E&S*6+0JG-4S]V**,&D-#O\,WI>^]^W'H'(PM_W5:Q@@Z@*2_TX/6J[6"% MX K!%8(/$H*QUC+:Q!!AU.0JS0(Ý:QR"[Y512D;I-R!XFX)L^X5@-L"*50BN M$%PAN$+P[B#XFKIK@5/2$5$D<|Y"+UT6*D?8K(8)D4<1Y+MUG|=XO#6[:$S%L. MTL7DI0)EK:Y6\;'BX].CJ"IPS[2QB.!H6_ MJQ?Z6 Z2OZ7 'IXE,*;D@$HRH#>4N:TB7U'L0+I<46P'F7]&:DE40H]0F!=2 M$])>,N2=%=)X['#<*("Q3=K)0Z*8- -&U$!C45&LHEB=TN>/8MXEB^$?2!JE M$'?&(&.<1%IH#Y 6!.%Q%YD@#|S%.*8#0O><)O+<1;ZBV+.;TF>*8HDDYB+& MN>(E<#'&)?"J9!!S3GK!O!=J\6VR:]X8"Y&.1MH7E'L/H')90Y%#4S>)3"Y M* Y7#S;)FT6F4@F2(6^#)CAN%)-':6.NDL6J/(T--X2A-(1@DL0R FC8BXQ)%W$?I(B749 3< M6TAU3ZCY4$'5BIH5-2MJOCS4=(HQYB1!(L'P?U/W^E74K*A947/'J!D\,S3RA(";<<3!NT;.)XEH\D189J5A9(\A MX_UQS0<)&C\)SU*PYKLI\K^[B|/>;Z_]<5!FQ$MZ8+(A-G0B%EM =/(!%D M:/%(1^F"DLYSRW81J7YGIR.P;]WO<5],WN82Z=_@3["(.SL#BYC>GL0I3/R/ MX^'03KMRR_D&=KQ]$NE=|Z_C(Z)>]%6L!RO5E*XH_811.I8SF2)!26";8SP8 M.6D,PBDXJ007DO%=1,8/J5-1>F*TA6E*TKO?2,:"4Q'H+V!* H(&2(RWE)$ M">>1 'I&E781.=|GJMX"IK@&@FKXO&)HQ="GPG1-PI)CDI"C$3"9 K3:_%$R MJ5D*F@BVL:UNF[C\(3!=^5(S0A[U-+T:KK\7%|SP*N!K ;R@ UDP,QR+C0* M7D;$A27(,F#Q&D>.7&:2.1) M-(A'$9$!%R8CML"X6L/V-6Q?4;2BZ'-ANU0']SRB&EG$0^2M(J+=$EY]X]ON#.'0NVNZ=M/SS_5N,4P+M9.)1FV$0PE+A;A7&!GF);(A1&*X MQ@G[79"A# _XXAODP@CJ-9FU9(V@_QP_1SZ?MK(W=NR]^. \Q_#0=G_PP/IG. M02E *|ZGR_KZ$=KQ_7#L__RFB:"$$WC';#]/JZ)<)]H=!1C U_Q(,/;MF^ME M@-#;)F;GRRI?,6O72<7OX_Q':X?#LV8YF#!+)R> IXMC>6;'=M:/NK: M;I8?E]^0 "W'IS!O:^66#DPGMQ[^#:5<0E)'I',JVC9\LSZ>+K+D[L%(S2\]?_^N.Z=%>\K"W MT2-.Z9-H:>W@B^V@Q&R(KPEB4'?N.5PQQ4!%]3S"CB^ O+U6A#_PIUZ ?Y M:P(N^K@@Y;FD7!IC\RM\/NZ:=| 6]Y2R M%CI%]'R( MDUG,QY@BG.[-%75]JI55>NQK/[F]!V*43P |'H. M';QSC=O'1NK]@Q'%E.\7@YZ#P%2->%$:P:I&5(VH&E%M1-6(JA'51M3Z70^]M;_N'17K0;.S_;.:3G/S3/D-C*0$TG*IR 0%\HA'IU\3AL,=WN#)=62Q(U4R'LF0+X] 72; MW2.8;S[@@@TPEK4TY-/7A(IW+V&6=XYW6.7H@]7OIP/;A8"N1@RBFE"- X> MLXT2@U0R(X-/R$N>#$3ME@%6)$ T1&Q8E+AXAW8L E'6"RYVT751,JWM59 M/E"\2RI0HZQ$C!.@;)0QI('[(;^E)\)KSOU&C6_ON==$@#.9,B>D42'M+$+8^ MZH2UY<1@&(PKVCU|:AH|Q)F>?<%!"4U/@!H!8X9X@!BR#%BD616 M)0'>*A?B,MIAQG7*YQ<3*0SBP7FDDZ H.*6(CI:'O!GP\-"NLKM=!$IK-:K% MX/X1N\]FT]7E'I%^-F689K1'3:F.>ZBSO_JAE[+P+TJ-|VCWBWC!DN(HH46-< MLCA0O'&2#K:1<1XH$[(4F\4":;(8LBQ@X:@S&NN#M#"'#)C>\R%E50\JVM59 M/E"T"\0H]A5%T8@ R&4YLL0Y%*E1TEIF MDHH:2M5!BGA'4.!?'T\C2*;6G=AIJJ+2:F*?IJ M4, 'N)Z*6B-,< M.P">A92@CCG* _;9WD? MAI;09,UCSZ9Z '%>U>PBSO'NT4D9S33.U2SIJ2M"FD:%)6!Q6(,,%M[!NB3%&JG4,) HDX!DYH30"T8U1'GK@K>XT.$.UHY77/ MO NM< 0TCR'*+&!?2%YO5B3D@GGF2$31E7P? MX9"1UB I+/C#Q'A/#C).6GE=S2C=X=;[4>E#+@XQ&L_BH&E3UI/\Y[Y1#,YV2FK!8T6&#@,@8@Y-9&9"-7R$OG*4Y81+]1 MTT@8Z17#%A\O+>())R#Q1F6K)0E-V 5_"(E:I48,^G>P4_0U!WDR2ALH"4=4$HJKE94>]XT@;QA#1A&H7"#5Q@Z@JXX'5)@:=R@4["2;(>0\P2QCS,@B:J#D M7*U$M0)]!=0*]^ ^\:2$)1XCDX.\3AGC(VZVT)$A+03R/(MBH-S:D:NL5YA)A MFY'8IX:LR2$#:ER*C"E+XP$ :B6]3RG=M[1^48*Z/'6;N/9B2$K]X/*0U:?B M&VI:'TK8^^-X9H?5QNW=QM$CFM4RC.=Y@>%E6KFKQ^ PI&4/$6X>M>(Q9Q.# M$ZX6+S@#7*22>Z"%2$QJ[:.6<"E8*[?*@MV#DC,:+)@)W#.&IJ)>'$'J*= M$P-.Q4"%]6]9N5&;GIZE]^A:T;6BZY8'XPJF9"16 ON M@&-FXR!PH> N<#J89 I0%3/DG >%LP02C'SZ1#",IM[-?! :3K ZD'=B JO M%5XKO+Y0>#61,(VY1=&DB+CE"AEF#!(RB;2TX&QS=XAS0@4'5Q+-">).6:2) MQ8ACXRF5#EMZD*N)A+"!U!5;*[96;*W8NG[L]>#["V8YDIY(Q+WS0%T=1U9P M+'F,RMB-73 WMHR7*211DWJW' P%L!1)+K8O,2*QT.LB==Y6ZWCL&#G]:Z,9_ M+0?PM_E)G+8>/H?V\]T'5@// $@P]NT-T6="X?/#!JO->;&EU\ZJSZ.S7+( M'O[MDW'^H[7#9JE53\030)=6C[<8U&Z;=!,;SJG^/]?^\,Y!HT=A68&O?:7 MDM.;TSB-35SH<( M./4E#P@\|_4Y9'VY(R[=1V?O5QGS?E-(U-H<%M0ZG[GC_6]1>O;T; =03-F M=CI[:>>S|9OU'V!<^Z_+1/>+?#9!YU[;X:D]Z]Y\|Y=SD5@\>3F+!=S+C*U( MP<9L[G;2=FI,IC5#5QBC5![:KIN#46E'V2R-=OAL3MO9\:HY6[5CU]HG9O-WWA M7:@'S,T4M/K<%/:O&\JG@ :CK,)@-F?ML#QI^:IL9INAG73QZ+*I6)6_'8GT MA?59GAE$(G528B1EWEC.8D(&Q!I1S&Q6F-J-PX&OFGYL&AB MV4NCQDN=!:8WGTX7M&\,"@X: +J3B5\AE LFN$2 V?$TQO(#^'^Q *&%|?^U4"VL@4%56_2?#AL M/MOAPC[8X7!\:D<>6O+)MJ-N5AX28HKEB3/[I0%^%V==:3=<#8C5PE\+_#IJ MWOK\:'C?|&Q0^K5LU;'M,F=>??=D.O[<=OFU^6$I@DT'6C_:7,0"N5X,T"P+ MU);#M#XPN0GEG?GBQ\/_ICJU5_QW)V'0AP-VILHD- )D)!0A32S!A$IE>=& M"X$WT%-&ZX5U!C@#XXAQ9 !Q$0.[+)(ZZ^'T<16C?6G#C M;O[^.*8!',UC(E=C'$<$N3 1^S:Z,8C>$QP]7!A7R\$&0QYZ7E36&U6]'$# M'FCS;_52>FCBB?W7O!W:,)[:I>9FP[HN_%7F=Q'^DU[E,[8052Q38^&0Q3HB MY;0FT5J;\$:)0RXP<58[!+PA@IY(@9S%$6B#]]9$YA/9"/_M5^;)T?6Y[L$ MYN\"K_7Y0VV>VU@9&=<5SB"B3<$8:$$XLDQY(1-2#H;$Q:Y|/B-4D+;<-'T/ M\=.)=/*/.!E/,X&HE'>=\HI7S6*(@/KV6@J"^U^9[_MSGMGU@P),Y M36WF>UWV*"?C4?D1( *:6.)AP" !':P##[.!YOEC>,3$PM/BH D@=-,(9#"U M(Z"E.>S:7@PV^,#@K5I CQR1S8@1+ZBL.^M]W>,VIA4:G+&S<,X3^R= 2%O^ M6/T!VC9JCL>G&:NY>M7 M^MP/_Z*_BTLW>IR_7^GT.4;G.9Z>MW6=@$P+?G17T"1@&\P52]3SV.9D%=H$:WQ@$67ZY;_U]^-^VG-_*,N M^DP!\F:*+HZ^:_.9Z?B0K/]2\5|W[T9Q^ND,8#',R:H#G;93D>]?&OY073,;1@N93B(ER=@U93&.>LL@O:T:V9MZ)U:8DP4LYX+A(W!.?N1@ A9B2S7%%N3*$\;2\A;66)_',-\&-^GRS9YO?!\ M?[;X\0[6^078HP_S$V@7/"* 9 P!S;,URM+S1_P<1_ ,^A+"TWQ?&Z_=>IHHI ML?YX@5XK9NWUX1GX!UN/6'Z%%Q2[:NM561%:+,[D]N2U&FA^OAP-[1E8F'ZW M\YO^=48?X6^7UX-8E/CQZZ7Q7PY#20?I'_W-53O2<@C)M<-V=O9Z^8QKMIKU M;R7B2!+Z[>IZT]+/_8+27VZ2[PASLN6MV!VFC@169N4_#_KVVM_:W|K?VM_: MW|K?A^_0+7O0!8TG]5Y%BKYF7_JMJ=-+*G9%$$OO*/ODZGRA/25.?\[YN[OJ MX)WI[#VZ!W*1?RVA]8.?VVVBF=>7'"N>SO9S?P@#<@#"_DC)9(OGO\WQDRK_M6\C_M=[]=W_-$:.J^R^ZPR]6+:I9J&;A)E_5^ZHPK_VB4OO9^;HW8HSWG!HM73ZN Y.-%[@]-3!Z/5LP?*

*V@T'/06"]1KPH MC6!5(ZI&5(VH-J)]1-6(:B,J1E2-]#:B:D35B&HCJD94C:@VHFI$U8AJ(^J* MSW-1R6??P7/,(?P6T'GJD/+=+_F(R?&\LZ-PGZV@SV'6GWT'JUB_1%F_Q1Z6 MI*%-@^B!"B3_5;GV=ZG "D/U&,E+]SA'>7&J;WM^JF\M2IR'LL2/+A.WEO!X M5M.]\W/%28C!:(L1YI$B'H-%EO.$DD_!)F69(N+RH=#,"6\]9H@R2A#'C""K MX*.PB02,E:9&7CX4>G&,2U]>#3+C?CO=G;\ ^CF^"1, ^P+#[>C3VW)R>PP? MI9=KBXZPM:(CI):B(U0.E)+[K23\'"%I02[!7K*M8|U58IW 4(2F%G!$:<64= MT1UDH"-4D6[43CL$;:%.#0RA M%>N>OO!7K*M8=Q^L,\(;3!5'WDO@=8(99+Q3B,:@I&08>-]&1B]M>-W/TW'7 M]2>2]0C#"!XH=GUMQ*U&S:MM^-KN,4P,-!45PIZ^3% <(JQ!VK[J]W#M'C$;::HDXL0D9E2+R)GH, M?T1-W64("\I8PH@$\N7@GB3 3171(2P2@\NQCLMIZ$!I4K'NZ0M_Q;]* M=??!.N>R9ZDBBHEHP+J8D#8|(>)4"$10#]AV&>L\A:^IM4C:9!%GT2('% YY MX81CE%+CU %AG1HP4K'N&0A_Q;]*=??B=20XSS1!@O.(."PR@?4%Y3.A:=VRI-<)DW_^+3!#|>1Y"T8>/L=-K&Z;.$CL>V M%-MN[CE ;=M2#K[JY+OG9&2$%4$QRI%@'@Q&$ F(LB,H*,>CXJ=!@*4]'TL>7@ MO4*I]"D(#MR:2PJP&(Q!AD]"%+:!B."IQ^0RE+M0E781(T$PA1N9!((/-:*1 MFY"DE,P=$)0R.M!\$ZD_%4HKE%8H?>%02CV@GV$:.:T\XHQBY*A/B%O*% M8 M1AMWP4KW$+[5 T:V'+ZM$%DALD+D"X=(+)5U+L>$:4ZYY(GGY,L <*>|L,0H M*]0NV.;N(5(-CYS\F5%R(]0%2%?.$)*8(S1P,:6PQ(D(P2;P%4#VD[81,#C2K;+-B:<72B]5[W:]H M"64&^*(UF6TFAA$\32%OE Y8$TZ$WLBGTDH&IPF*(4C$51)(QTB1\"]0P'%T M*1P.E@HU(%I7**U06J&T0ND>H51+H&S22*0UN-Z<$HJLM!$QCSU36GF5#Y"[ M/RW=O>-N] "3NI)>(;)"9(7(O<8VL:9.X( 2"09ORQ1RF4AZ@,$H6/"2T5VP MS3TL_PRP4'4AZOF:#Y0<,Y5$6Q#N>$"HXK1#0GB#ME M@9):C#@VGE+IL*4'E!'&]!G(?1\G6*&U0FN%U@JMJ!]J-B4%W@<@JMJ!]J-B4%W@<@JMJ!]J-B4%W@

*<7XTH/_"X-YABI_9K&QM@/W7#DNX$!)H$[ M#G\3)EZ9';0>LE"FHT=C(ER9 B<-%P2\?*.V:0@W#N%=B6T8\M&-!4EA*09M M&O1@/!8DC>',*

*<(TPG0SA&Y#3V!TE42P+/3!%03I1+4W\%WS'%7'T(&"H<>2E M(Y"UC (/F@7S=A^$ = 3X(=3D+< 78F O@FH6HSDC2*IE0-(3+&W-.:7=6(D MO)X\BNPM*2.\B@M&^>PGC\;(!=*

*[[R0Q?!B0@!<66R$1OTBF-S?.HJ+6;#P_5 M-OO2I/>Q!W<2I6&B_NI/M))&P#@W*0[',CZ.1@ ?\%L 7S\+>C)*H TW(02L\I4!.R^D87NS#,]+IT0A|KI:F)R8H &@"1?_Y7]!D_*=0TL=.*

*M?6C.RWY4 GN #F7VA02YP=]Q3@,_R310")HIM=2?6@::LA]X>F/WZ'U1$#:C MK1M3T&,3#R6C8OWZ^8LQ@HY!LV+YU_ 7P+'[]T6=UG8]0$ Z+51<24\"#(= A0M#HF !.P3#E.@V!FD _71E]T2+29H1^ -0G5-I@68 _^>69,(Y04 M&C0X\2FT,GI$>I4W@;R18"C03(4WT#?Y44P**@"?0':9 L6%1$?XI] = ' M;WAB!"Y;(L<-T.Y'LC2T,!L,*!ZH9OV*5174P22'!](D]X)?VAMM:HL!#=[& M@)[59NP0H+4,B_H$G(A"FAH T*&>?B4)]+|JW ,\O7C^]%>Q]SL @5&,MDRF MR%";C<* +=%#"*WDN$6^BD"18&.L\"44|<,,+-5+<9H'L+ R1|".%V8V 2!>M#&8>@W?53$88S+ORC'0:;,%K90(20A.+4;$6IPH&<$2<8/WZ'U1$#:C .#*2Q\/+ N8%V)$>;'(D;,S34FBDE9P"4]@G.^]C\@ZC_"=!'>#0##\>5,3TQCE,+$BJ# M9@UH5S5N=@GIZN^#Z/$& IH5"F*CWX4>KOVH8^I.YL0WM&;]!8T)* _F@FX MWI-2G;&><4ZF@+J[^ISB=#1*^4; ^$H%.U5$_K%VWBM!;<\/+,'1!04.; M=WD ZF7/*-,IBCF/^9U?-9W%2D*+"|W'>"D4HP,"M*:X<|,DNE|\ 'Q5/Y.@ M50J4.P;B[MS@V9W)^W??YRJA6\ZD2+$NDEA!"U:D6:]07C_:7H*$U@3FFQ@( M P%&/P#)\/:UCCP.TQGWV2!4Y_I84F>O)(STT^1I$)5/$/-.*%G#[G9P!O2 MQS7Q-/9AX- DOC57YXWQ)\O8U*2>H0+|>FH>@W;3Q5 WO*RFLSPC?1/=^)*% M''V,-T@8#,6UPX3F>K065DN*]?)6>(I!4.AM[_C*.5038)X:T)S8*#NDO1 MV.,31@V_+,4[<0@PE\11$(9(U_17" 3JQ@)U' 4F._Y8YA:8WRSD'M3P#4/ MMNI1+$V#S7FIC_[HSU!(BK;N6L+,%X$')/P4YL%4"M/ YT^^)XQG6+P!%S$JMA#-[7/XM+/+T,@#- \/_$U?%_(+&,2%86<XJ]NL,HU.ACMQ"=TH.=X>SW=$MX1[\V$/'ITPP>1N^;M.?=YL%ROQ&/WN:"5P*S/8V)NZLB 3QWA+4*#P#A%\13%UH-5T03V;O(/Q M9=WL@EQ1(*-]_)$6#[J2M2UEKBEP84UH&FFB0_6FVG$0(5FF?EV)T6(II@>=)'UUK< MND4LRT&"L!Q(2$%7"9&+M@6THQ0QD&I\056*8S$SC2_BQ1]%/(U\]T4Y;>"B M_NNE-DU,B91Z";PRZZA$7<-]?KM:E!>_WTDZ8(X,;N.K_SG)YAHN6JKCSPMCFIE"C'.I@9;Y5O?#%4PL MH.WB/"^.)%;O)$KW6IY)MR2!;DS:V,0LL6F8O)E/B"G]I>7FP]^.4L#T]MR#+WBRA/64/[.CZ)$HJ8+4"ZWAD>PF0J[ROP7F*6"Q\KS[*%W&^!4P9M&[Y MX;I0PX;)S8[A-EDO?E+!HB *P"K@*&3K>]AG.XQ%]E5(D]G6XQ7%<5A%C%$ M8>0ZZ68O/1'"+(=;\QF26"1"4T"'7E7@BIG2&/"=G84SY: H9O.4^\PFM7M.J MV%/3H2E)M MF'^-.-4/0Y \;YD[(#P%^;-.06ZP;?^ZDH^=[>SI(P7"!872X1^8NT=3%6V> M!W]50C8/9#[@6E7/*5P/NO4Q_DQVI,/S6]ZL 7(H,.8#61K^P#\0#-C850 M^RMC(:5'%E<_21$_P91&_PUWUF,*RP&3)GXZP6SW%9[!P3PF4%C&9QL@<^^@ MPMBZVWQPM&(0./)O"(28 2R7@HJ%./4"67*5(LU@E1%?G9 39UA5.<.JRQE6 M]<^PNC3O 5[ C6E'9 BP#_4^A5WAI_$XK:%6@.NW]-04S,||^#BZ468Z,1Z M.::6MOKX$#:! 4 %N'-8S29UM!F;3_]SU^&JR9@O%A;74Y<:$B%,K49]KN=F MW^4N#1W.0^Q.:"FL72%,]V FEX6+8MP9I3-\,$8<][PW'(UN$]A- R^?I<%Z M584!-G@-4ZVK#I]!'S/->R/%.\/A@L+!"]E=^5/< MUIC;'^VAB#PWLM@>?!0"P7I6]( [Y'0!$EY"5!X7.#DV0.K"[E$C!Y#8,V# MKR=A4A1F9X6-4WA3S:STO%!-&G6VPMR^D+PT6'11[:PL++60T!#8.<^=QWR? MJ5X:SO=Z%V:5\]ED-K^$U63*%POW]S!D../.FR?4\W05H2C'/?V%/*-\C4_E* MXBE*<'TY!&>O$G*@'78"5D3HDME8@SID0BGPMHB-AP5Y86*6B&?S'!$: MU5 $/C2?YQ11I 8/)>NDB5A ?W@2#D-VQ;-ZE/RE0P74& _J#A)*[C$POJ >2 M[GKB54]][(5[@93%UI> E=+32#\>Q"VN2E+:7YN<0%G>>X4T_SK"^R'!*E=EI M/N5MJ.MMP7SXA2@,H_T9Y< M3.SH!B" #26Y'&[=*\")6%-;(&Z,55*(;% ^[*)KHE/'&*=N 8GUUFGOQ(F MY:A;8;>P$!?ZN!@78CM=X,Z&J-F>YJK6/&MG.MH0YQ&T^=3'!;>2;-3 M6:>TM2(%$$+T^FD4Q>AP>R,!YS3J RXHOD&G\]7G(9E&F=M2T.BL&L==% MZ^9S$!55PD44QN4PF UFE7_2Y V91:C;(^*ZL&U\A0MPT;SMR%E>Z0PGG!=1 M50_P!2-_ZA;2977T,TO6YVU9?GFVI;_N3#$GTSCIT1.C'8VJH|AB$>9OPJB "G= MNZFL+5M-'"UL_'<*#T0.IJ?:@_GQ/W'E8K=N_AMTE[:V*4,8C\FJ1:],:\?I M92$A=<%.:7V@-O%A*.D$>8YNY(:?O$LZ,8*5;7PG2N[U:):!@PLT)O^[L-#C+5+T*V _@-8!5DQ(@T*19G] M+D(?G,QO/_V7\2UZ>-!25)EO,+?KY(F)@E)JE./"(BPT@G]'D6=|Q1/V;"5K M!*_OY;S6UO*!C2$WAOD)2E!*?_DA3NXP23Y(^-9RS,< ,S(?PBKP&AZYKE M6?4%\Z#HILC]7D[]$IY(U(&UPF0+$Q_] '/T7UP*T"O@'>4%#_],|%H2$)' MH>?M4N5 749S+>TRBMP8LW1TWN4J1%]F#=T U>?L,-YH?+YG]"P3|8#AN&C4,SR M<[;YSW1>"!3XYC_@V#')PA/#I#|+S:Q39UK\C_6[I6>K2 &;Z5PE?\/SAM)7 M9\LR6_WFOC1Z*?9O73@E"[Z"OM$,.JN-A6=5,"9"@9%IKN|YL93\!*7>$E.GM.F4>3B9]' N/YF]^?F^QVB^2";JMA5]59[0-YK[D^VR9)RN,:EZ$!2!"XMF" MF?'D!JD.NP=!]*RLKI!YE\(/,<9CP8R6$SCI>2'=D\(Z26&[BBJ%C0 =9D#7 MLQM[:NJ?G4Z=W\5.N5(C7$KH"#FK"T+|!VXP2%&B4H M]#A!X:(3%.KE!+Z!2#:P)-\F;GQ!C(7 >5;R* VP.8# ^W\&G"3J4T&Z9*KA= M+/%(?FB/K]H-GD%@CN_X0G]+$\3 1N7%6+Z;+:X;Z4CG5K#::O':DWF/, M%'7N$?/SA"HI!C.6J1BU\.Y>78=[TZ0V$]OU97O4.?TU9>')TVC0Q_&B#P!= MPM=O8)80I>#M_1?AW:N^;EM6ZWWV_@AC:5,I[J0 F<+L::$/#7];OD:2)P/ M4N'7V5WV_?W]_8ZJ-^?6&K0Z]XO^21.J'-3W&[ZSK5;+/N*SPS_I6XXS.$M/ MQ]+D6':?.<@F.LNL5D/=2NOT9V%<*7QWO(S4.#DN;!ZU?5V>EQ&G+|K=0U MU")GAQ+5G5 FCHFK%G'L^%EE3H+L;/\//|:H/JV++>SHNRC*#OFX8+0%847Y^RLNFMTUK[!8BG4CKMC#=Y_@\V'L?V=*-Y0W4L3^^&*H+Q/R?\OSG^M#/P/4 M)6AQ\XAC@&*8H!JI!29N!H2QXM>5IE7A>S+CRA|%-H'QLI!TT7/?7WJ;( M^L]0R5#)4,E0>2:H?$,..5 R4##6,/D5BI=R2(/G)Z?EV_@0.]II-L#'#_!ZQR"%NP--Z(T( M?9/9VUI5?TW*Z=#FF\$BD\OD,KF5)9=AB\EE\2]I+)5T&M$OU MCN%2#=?K:YH,HW6T;@UZG5'JF^B|*D.@E0*8$[3=Z9G]?]_.0B]/G6LAZU\[*];"_?$)*1PN.X#]WQY%/"QM9N@X]D7.P*:CT/;8',S+F'3OIKX:0'V"F=RVS&YO9VFZ,O1E1\[V96A.-?2! M'?V8@\[.JI7L0Q@&N-#NAWV(>Q#V(?L;S!|L^_8 M|$,8.=B':(;8_77[16?-MW-:EMTM(8:8M5.],&*4N($1[U?P@(.(>X"Q8SF( MQEZ4XH6';^B^S[^7MP\CJH':.3OS>CC5$HM7A.Q4V*D< M9SZ]EMGO+MF,V("P3V&?PCZ%?4H)(<>>V1VP3V$ 89]2R =:?Q IBSG"?UU0M:/IC3EQNNWV^RV!/=N!OY\WMKV2,X5'R*. ?O !\$M$%X&+U G #;PHUQG$T M,:YZ+6N0-T"%SH0QBB93-T89&%,1^Y&'# _#22,OX]C@?&;V^,.9G5U(#L9!I MD!C1V'##Q=<7$R:S#X&H\5B*0!C.#-?PQ/P#L7P@.?O$*FA0T0iE91V+H", M=1YR\[VG 6UZ6BM<7I6_R2EQI'?XA1@@#W_6R-UU#/$AV . C%+#XT-.(2%)/L^^Q'Y?> M4OC6(3-WC1'=E9O!Q\1_49]JNF44> (TGB&7A-$/R1AXK[X$Y"-,7*A,S]! MGA3$'71%'#R* %\)T#+VE,0X3_N0'\)9&U-T4/;J*%C$>"T6+_D:!0F/+S5!Y MC,XICF&['VBP"?T4&D]1D$Z FS!DN9F$S'DHS^=P%=RT9G?OD?MF<#?TUC] MDAF>$/L8'C8[A0_/9W!%OZZ)/U@?G?G$E_6Q7$A?-P^GN=G5;>MHKL/G18VY M:CN%U<4A38$. .:| [X#. 8?Q4W/3,J,P=QCT"DB"UXYM|5%%JQ@I["B@-/! MS%2SBXG[!Q#P/];OEN'"G&(2X5/CU\]?EA7)\Y^,4>!*^;=W4\#DFS#R1,9[ MD#8^UL+^B]3LY>ZF?0^NY^7&\V/L-((U-QL,>]3F&G@SN|PZ?W4]3S@2'"A MS%<2UHDYZH<_P/3]\2SDH#C2]\ 9[=3R/14]NQ"%P<^_TP>D$]@C;O\L#2RY[1 MA%/T_K2BW:=IOM-?"#V ,/2_47*/>;Z3'KT?@C>%822P4+A#J=\O/@"^JI]) MT"KAR1T#<7=N\.S.Y/VI[W.5T"UG4J20#$FLH 4KTBQ7:*^?I5."A-:$RS+Y M[*.7@[?!XV(I^0.8H%[%KN[\!$8QVLB63Y$DC[EZ+\Z>G#FG\'MER1YIHVC@ MNGP_LCQM!#@4M D8.;Y^ Z@9I8!^_HOP[E57=]MEM=YG'X!@ WW]XOV]NE4!OO]AL]LR^X=M\=7AG]Q"1YVS|&\;I/2(G/$5| )YY@!,@.9@6=DX)94Z7Y)5^CL>V7.?AM#_=K< M,K.5V->7.-UKN?5'+O<^KR[U7O10OWT6O E??HECT MY1-;;^1HBAS9K()UG.!7> ^Q6ET-?+6=S$1[FVS:^;2X\D?.MRWQ:CEC1CBA# M.T-[R=!^P#4^ER[3)K8*Q!9[^.X3?#Z, >],Z8;R1HK8'U\L-U[!]NIA /W? M:;,CJ.8RR MO 9D3-T1_N4P"YM8R7GH_1J$TG+MU:I;;.IVZS6:)=K4 MYF+NM]4L9Y^=5-2GKN_*-*O7)/FM-Z>VUK,KB_!SE;-C:IE:IK9&U#)B,;5, M[053RQ.J"Q1]LZBMMPHW1I'KYI/N#N.IRZ>>G$<-5)LM7AK7$57V2OU5$LI M,'X1=K9W4?VW#]Z0],Q6B==_GU_DE;L@H0Z.Y%7O1RB+ ;5? MC]!IDQMWZJP/%:-UAO=#5=YQS-;@7V.1,[PSO, )C_YMF?#.4W7&\FIA ^35. MU3<7FKD4D;_-%V C;@*"7SO]#UMO,#LX780#7_MS?^GN C;#(X%U=_ D!4^C M#TH>K:4;[CJFTRW/#1^?DG\1^E0;6"G?8H]#BJQMZ#O<>> ;F.,>@.V'LP M6K#WH*!=CX-V["K85:R]4Q'$1>+TKQ\KVW<]3GWW ;AP|U]|F]@>G[$QTM+#/T4+V'.PY=H8.;;/===AS M,%(TTDUTNEMCA_!?%U27_KB&+,K=.ZMVMV^*K! 7#'^V+&Z[?;[Y3X+ M]#]|AE!Z'+($^M>&+ T_!,7"E<(SKAS;:0A09.1'H6E$L0%*84M93\$%\!I:3 M/3'&\'1Y%/ /714|B>BJ;+%Z5;:!EWX:SXB&>=GG6K2IX)&,%DZL:H7L94 MQ'[DX0.\Z-(ROCW.!T2OKQWRLRNIH5C(-* GP,J%SQ;3-)<; -K&8RD28S@S M7,,3\P_%\L'FY4^M4M3'KJ7^K)SZ7A%,QDK0I9[56E EIZ]5R2X\.4J5'*?0 MP"Z5,HUI[,W@4[#@Q'"'!8ECE_14$Z$4C(-(Z\=)1(0S[ZTZGPE$86B9E_ MOS8+C:ONNC>A&^!K.G9'21K[X0.HJV=$]*1&|-U$_P->2FS,0:1,SRNL|1T H"5HH/C[$IIP,@>TQ3&GD7MIY<#ZEI%'U_167UU12K?>H61K;X=E'UZ),%DXU|X*#A],)WRC1HV+LX'Z0> M"-$UX&//IX=7RRR/A3\9IK$4$Y GOJ'&'JL+SC)|\8'5HT2AD(N^ A11"#5PMNF[8'*%'$'_OP!3F6$=AJ-(%!$>B F!)H!BSTN6B/0@L*?L_>WVA)6|QF<)#9 M]++]UM,-IUCM] !+4]]B5W<^N'A_M-&V?HPC*8W?X@A^7F(,35'7;2B[:1)E M*S(<-(@(H0)?OPG<690FT,F+\.Y5A|Q\(#IRI%'=2H$M)1.8[6H"]MIM\M;Z_^=(?$FK>9=^OV3A7O3FW5]O7P_Y>D%DX-DTMB.?E_MWW&|ZSS_() MS-,&Y^GIF$|L;!|S]CJZ6ZM=W<%5FW65U|K!3M9MR:H9E%0"?16R3RE=-KCD M$NCU(6Y>!-T^^3]M^|%F671OI)%<[8N:]WY>G:N>^T:7&FK1KA*5=2>4B6/BMJD4<.WY6F9,@N]MXOX_1+/;MK"C[*,K.0IRL**PH?_]$ 5EVU^RN>87%4]P; M<<4>OOL$GP]C_SM3NJ&\D2+VQO=#_?ENJ*PF_0Q0EZ#%S2.. 8H!B@&]D5)D MXFI('"|Z665>%;(O/Z+T<0+VD7#PL9%VT'#=C\;&U_TJW#17_QD]&2H9*AD] M7P\JWY!##)0,E(PE3'Z%XJ4B]DVF_G;FJR_*5 M,FEEU/N\@/7ZFB:/N/?^C%(_1Y'C:@#,*?<_M^=QR"H+O7)E[6OA3%ZU M8'%I'"B_8O'ZV\Y8(^IC[PSR!VM]UQPXY=UOPAA?7"J9S@*R$VY[V3Z\#!3> M37TU^[$C6O@R-J88^L-|^:9;J\-J,?0C[D+WUI6_>#E[KM;F)V(1<)&!?N0ISU2S_6"'8A[$+6+D-:9KO$!1_V(570[ 8AIYC$=7O0^E\2 M!/&$)#NGC BB4\L((MW)^U X <=!Q!+0>,G*^+?SW^??P-N'$=6 [E/"]=F MJU->MMY6GK$S9V=>"V?,,45V*>Q2CDX ;YN#5]ND8I=RH0!RX2[%;:-+89?" M+N7(@&/7=$H\4\0N1!H;P2[E))?2[6X-.,)_7=!H^F-.6#&LU[&Z[?;I+;$]MVX&_GS>|MS28K9UOX$NQ"I;AAZ-8N%)XQG!F7+6[EF- 8X$?A:81Q0;RT#22 MR+CJW%JM[)$QAD?)HX!_\.;O240W?XO5F[\-O"+4&,?1Q+BRV|8@;X JG EC M%$VF;HQ2,*8P$Y N1'7LE3(W7;4TEMMX*7'DY>9%LN1%)L'5SEA:N\L)5PE1G*QPAI6 MQN!:*(>7C.B;_0Y7MVJF_5YZ.90NE[*JDR4S?!^AXN:@P|6LZB-K1O13U-WI M,:+7R:@9T0'=/.6JX%6J[2:"]7*71TE4*[;_5/*E-H M=ZW!H74*[4UU"K?4)O1#F<9N.!(+Q0@';7!_OP|(%* ^(Q1 M&L$"_0ERWLTK].U=8'%> M-A+?B( G,1=./-(*#JN?",O_8VPYIA<+_&@>HF_DE+_% *[A'&M2R1^,(U0 M)$M\JFN=Q+;50YNK9E&XG@4J6=7!'?)K77;ZE1U<$?)I]>KK/+8MM7I=*LZMNLJS;K'3=9SNP.D.IZ0[M#&QCHLQ\E%33O%F4&R*"G*P-9Q KSW>,9PUF*, M5> 6V\AA-L(E!+GR)*M-'4HE1ATN,[M"UPZ]+#LJI+@H3NH/+BS:[*,^/(A0Q.!VE M^-&#MWR9Q%09DVLA%:B*PV7 

*D$]0^6M[ -/WS45M+D7F:],*> W> M!%2_=KH?MEZJ=G!6"0?#]N?^TDT);(9' NON-,L+GEH?E&-;2S]LMP?FP.Z= M0UUVW(YZ$0I3"75@K\VA-G8?*
%4"#RW!W+0>3UHA0O_WL[1WW^3;E]^%!WGVW?MLU!IW\>W6F"VZZ$0K G MYY A>Q/V)F?W)DI?M&]?;_N)OY.!P]Z$O0E[DR-,I]HW7VHU]-MH#.YN"C&97N.!GK/D044X\:NJ"
fJ,2>K&+?K6-UV^WTA>$=Y?P52;0?^OC^U-MO2PN>%((;VDX6[L_)-JG^.,$H%JX4GG'5ZUDl YHL_"@TC2@V@)6FD43&E7W;
MM@;9(V:,CY)'881XR-4DHENNQ>HMUP;>UVF,XV@"#3A]R\D;H(IC-H8RF;HQ-M2L.8BMB//*ZU5:QK^("ES^U"CIV-E4](Q9<@B*MG+!>$4S&2E ]>V#9"TKE=+52
M=;M6ZQ2=ZK?G+>]4*=.8QCYP$^@T/!@A#&!1XOCU4Q2D$X&$3./(2T>)-.2C M/YW"*-S0PS^/$WP7F)..W5&2QG[X@$WAQR 9$8? C,6G\"<_\).9TND%=LS[
M7Z/(QI538$]QI!,7.LJX+FED\+;=6]?PRF#O[0C-PHB 06Z"OZEVB*G;S;+! M.O]M.Y(48730L?JY) @]VX-CT1/T0HD#']/-= [0>;UR"^/)T7&MRO7;"RB] M2^<+VH<_3-@@'&/G"-4'?
O.V6 &_5LBU(-WLHG%XML']GZE7LZLX' MU^:/-FK>CW$DI?%;',/2XRAF'K-$MJUV&U6[G1CNKW?YJQWJE./?IT0W?!*8;GEA<[L2"UXU,,.6(+?;PW22X?C[ MWYG2#>6-
%+$_OEANG.]Z-(;W"HF=+;Y1Q#*\,;PQO%VHCO/R@^7(BW.VCO/ M>_/B8*l])WH5^,5 ^S8WHE>!'67:2C0VOJIDX=>S%P;;"U4>!EH&6@9:!EH& M6@;;^F!/O:V$+>.
&"^'5MC$3CD\T:]!Z+Q,:[J^4N==HU2ZH;>^&M^K5TBL M<(F_$XY]+YP^]0JG3\7]Z=-3C\B_6?>LJK(FRL"WU"VWPUEO4ZWSD+G,A|< MYF/ :H1E5HYB0U&=
KQZ@.Z8S**^Z$P,Z WJ5 :W44H ,Z SHU0-TLUUB4?%+ MQO/+,]\+!V!]?6UPKBKNW,RRU7(AO7BJ/RO !8[,J?(7*=$<4X;.=0A&^_8KN M%0 FP],2>1)KYEVUYE4$36 %<'GD MS]\?
NR,JP)9_F#-(?5M@"[X>P?CCY7><]V-A?E>4^?*B&Z>1>-<^'\4N-[8 MH:*)Q:J(\%6FDJ'YG?>K+QRN?X/WNY5N26B>_V2, E?*O[V;PC!OPL@3&9W M67RL&?L7B?3E[J9]#
[KY)9U2)_> (WWTTCZU#8IJO\DB@7&\@W"ESTA_!0=.VV_ MXC0M:R\N3$$8^M\HN<=\XT*/W@\#T)0;F;BQ+L&X^ #XJGXF0:O="W<,Q-VY MP;.
/D[I86U'FF13U"7ZO6$+5]19KM!>?^)1@H36S%$R^32[3NGO;H @".CX PWVU

*H5FN/T4.$A:5L^YZ@,T427@\Y ML?@,$XLK^+[MNZD3QW&U/7VK:!RT28SKQY!@M><9 [6DG>.CIWV85 M^.2VW5X"3@C)5X(N7L<+H6/*3$I.3V*G-YPT5ET*5;DA[9,Z%Y)+E%]@NAC8 M.TF49A=VS6MD^70:S[I)9+U?Q^D:V3H8B,-]<]C.-ON,;]1@UXO^NQ>8 W_!M$:8+"TV]3G3?;3S[A"WBSF"2;T3TP!MPZHMI_>5],#UHOR=M803)8+?:3P[ MH<#&&E'[L=VI]23U.ZP1?AE|>YVDR>=B!)9L0$3Q_F)'=3LJW&_6F\T@K'?W M=SMUOOD.ZOM|>YV=@U:;[[:]7[@,Z]ODBOK\9?#B_Y!<=Z?:K!WO-0;U[ ML-NL^X,#'3]L]OU=?[?5;<%@S(G\,U1!^/K3)(O/L;3G9'"">A;TL.X>QWL9@ M/?_BJ3SPQ[B-6:%^FMRRG9@PEH,)4VDVWTIA<2_'AQ]!T/1;07_0K >#@PX> MP7[!0!W _W5]6&RSTSW8>? 1(+YYJ]G?:<'N]\(4DTG>Q_[E+QX3.+"';Q/8 MF&\JA,G'N5HR5:7"CC]H[M:[>UU5[X;=)LRRW:RK9K_;'[1@&>W^0Z<*!W*/ MV3X^X?@\,<,72ONUX.^?9>[5?A#9[G9G)^CO[_K\SB LCW8K?O=_9UZ*U2[ MN]_[ M===5OMW9A'9W]_8=/UE#NW>;[^"0QDIFM>TB'_XQU-O>#I!N+]7[^RWX7"#_ML%/O[I[1^/G\5M_O[#:;!\WOR73/LU$RN1?IMCH@H?O[^_4FMJ?HM@-X_P F M$>ZHG6]0"H+6PTAW <]=;;*/3PX6/&S]*==T4R2-#U M%OIT)3=&4]IAZ^K. X28RH!/F2] F3]!^H9F*FS -OFO@(%X?DJYRIC8H9ZI5Y4Q5.5/?UWNT>Z&^#:-^-%DG M1^ENX]DZ]9Z1#;I'7'AW$[V@*,*/9,UW7_)FWE-<'&.^EIDH74CBDL*P<"[( MOV#]^'@=)%Q:B!;]AE_5:C8;S3_I'V#G"7^!GJOW(",:I;%_P??# M! P+OXKRB O_7NO?RT/P5&AVAUZWWSCXD\M9997,6E\M^5'K[C\Y:#9N_=5?M7DVRV;4L/,-KV!R6.:]9\N '"Y9XA6"NH$X*C0"!+1$7NX]-A7<0 9/PMG7Q M3)[DTC;ZR!;1L^@XQ'L>A[9_*(M=0:8LV[<6<(0_?T]*?WQ9\DBD_MT7YGO# M#-U"P\EDG+]^]>KZ^KJ1JZ!QF5Z\;?0_81K\]54O"&;>@S>0S'CI9Z]"^:M;K6Z.P?INZ_@K%NM@TZKO=/N@0V\?[#W*MS?WVOM[83[7GO#R6@YE0P&BZf$ M9AEBMVWR" [RFBA^T-&X*MRJ3N$4)79C$!(5TF57-8X1T;D8NC15:![H]4)_K M;OMJEB MRS;Z=EO>OYV+55*YDLJ;NJY**M\BE=N55*ZD\GVE\F&FP@ADKZ1 LI#]4&"C M#_CCCL+9'Z7)Y4+17)OYU/LR3$/,[L96,R2@:]ZG* 2)I;V'27O'_^N=9_@. M'%9_86#E^*N5)7K[!TOT2@)7$O@I'UDE@6^1P)W_JB3PADK@YL%.L[4'[+P% M$KB]\PK3@.K(WIO[G>9C">'>/B./F*.R^*.HW%H( T]F+1Z-QG#)B[LT"6<>] MZYSY>XG]O 0#=[5\/Z5%B"R'LX=L+TE3"MA&DE3"MA*GT$6HW6QLC2!ZS3 M\]9?]I(H5-\ZK8O6HUFCIC>M(OZ/,Y!,T1ALOKED?@&9TEB:G69;LM6HL8]? M];'E;OWD6ZRF!/()W[2;S?9/$S2C* QCM;F,:SN75LF:IRQKVI6L63=9TUX# M66,;6%2R9MT8\A->6B5KG[ZLJ23-FDF:GR-G3#/$FPP;#<>_ND Z:.Y6TJB2 M1I4TJJ31:B&K5N/X\UDEDI[$:?[?VR\?O6/L'H3QFG?2O]*K2_L?^5SWM81_ M*.D=/1XC6KWTV#G&2C<_($'TSI_XWGM$G-?MG!"HGMXS\2^YNPJ&;Z0 9$,9U MS!@H"?E\ ;[&JM>SDCB5Q*8OCSA$B>'?ZLDSIX39?/G_O?L('=U#OZ!M_F MA!$0#-7(IW[#@/^1%A,?K?'1K'S/_M8#**\[P7_ 8)1X??_/67]B]/=)D5-[V9 MFW8K3OHD3O(0^_IYI_[E,@7]Q:IZ[LN*G5;L]"[L])%8:'O]=^?>?',SU_:3 MN.5W9)FK+T(S;!E@O??#IW@0&I4]L"@.[@4KT?>#KY=96B1A7:3M@/[W%!3!MZJ:O_TT7HFMCL=[!#\/B^?-/1,Y[=L.K?_ "R#Z5/]<:FXEZ^P5'%V#J:&Y#V ML8PA'2'H8KBH]3LC235;+_R7+W86@!9R$U?NH(:UC=Q#E;K&#HHLB?(A-Z;EMX@KJ[J#7CBFKB+47$1>+7,DA$>9H<[&]?'(/%*G'-DV^_MPP'^Ul-/?N(SN]3MXHH=:-/16"6Y/TFS*4-E(E]EA:*LFKAN$B!A.8>E B1< M?[UQ 2#A#UBB)DK"& MTP>S"18-9 7XAP[JNA'P]TBSE*I9('L'^)*A+L+X_C 8,:IAFL- S9@GSK3 MT9>3#T\>?#GQ+']I$8&[BV)WMH3W9A&T^-6R",'\#-WX&6]]KIG%XQ MML=>N0/'5&GKIW*D;Z>O-V.-C\:\C.M(NQ+'$R]/XRC9J_MR1[:DUW81B8#5]SJ]1-'=:.KA:T/-3Z 59UF*H\PAD.)#(?#2 T< M-.<3KN!V-V*#UO;BAL+UEY7GKO*5;+>#Z\DN;..I<0N4P[IS]^0TK,IS5WGN M%GKNOL#K2^*#=0UO[IRUE>S];^&WVVI[LH3W9A6VD35QEZV@D.I: M5PM;'VI\2&$^>>ULR[$3'(GMIVC,'XH'TK\,3.4_5UEXTQ#NI*9V3S_P.;R^>/'3Q_^U]4E M/RFR,7&];^5SI^U_^ !_?K!"G/"+W?))T#]D)'T'_Z$39MH+JGS_P/ZI-W9HY MT+,;T>.4S %[\?9S&>7/'S_@EPA[H?M \!$TPP$[V^'19_C$>/UML(' MUIG^,C/],-H%Y8S"7S)-X_!H8UF[(DWQATQC*]QY+WU8CAG6WB/S'$?RC=NS2.^BP M"20'F/W4?NCTX!\VKKRFY.76?N3,;=AZ\-Q&UU\.+3:^X7;IMBB%B^<#)E$( M_ZI=EN)[===A>R-L:?FB_#\D=?R"QZH(^16_:<=SYCXI[!B4O.?LWV&K"Z?L M-=?P+73Y4GI^ S]\L"UBQX0U_KTOORB#7,'O]!+F8+F>?[$_@"_DK_<[5QO MI?/?T-_)?U3X!-\3U_YV_P%Z?+BE__;E&_E?>>M<^9%;K2_H,_%6S:1[Y!+!:#VS>4TY40=3,5EE['TZ2\'RI,*W)U\]/E.8A3 M0PJY?_^0)Y(C'X?867G_P7[>!50(]OCZ7=)?B,ZB24U'94,Z]4NG5=E-_%)N MUP";>$<99L+XB0]JB>O0?SK'%@%AXNX1XRA4MK!%XX8-_ 0;F)!!H+NDE) @ MA3BMM]W3L'LW5D#__(@CES+::2NS/1OV]7.'?47O,J2_?]OGP_8Y^66X6]!V M4@!JVN.*7@W[^T/M_J8TD;I&*=6WG>V_LW>1;W]|](F#@_#\T5%]X;KL<$GO MAIW^4X>>5]G_/XC3?]OS GM^8H6/Y\1_[O0QIYT:=OC/'788B")&]6U?FP7B MQ!A\BD,[<'R=!L/BM.L3;UG?8^CMXWJEK*MA0#<=F)B+7V]S0S\MV M<5BZV?4]&K;WWPK;JY!#*3TD";YM9H?-O,5/V(OQ>>!OZ249!98=A;^ZT>-)M'$;^EKYZI1O:W*MA4_]2V%1!$]TI39001<^4*DK(OFUMAZV\.B*1GY0]56] M?V_8KK\6MDOI_+8I'3;E)O"I\A#M;XC%#414I-R!,'*-H])=]NW0L&T_%K9- M4EL@1H];E23%!:(TWW:SPV2>(L7/VLL->6/&9Y=O4[!F?/Q:V3!! DL+; M#G5[WWSR1,4#.AM,58@ .VIYAU;>LF&W/I6J8YP, CI.PV"4WG:MTZX14-5N M+'I5W0>6%U)9(&?Z:=&X8>|^E^P=HX08*;32>MN]NMU+%Y$*;D_T?0&GY;4? M9;;&[UV[I=T]T-AYQ1B'"*CE-_-M_]KMWRE^B/(;Q7[7L"-_*M'!']]NO"YW MWHF_W;H1LTM1,0\T(/]('*]2]:YKW[!;18N)0HS)A!ER;]O8[N.YQ!85S^AF MW%D$T_^P?S]8]KV]:UVSIFYS^FBT8_MI"V(V8R93_E]]VK6L&E%:PUBNZ_N&D<7'FV)+_TPO,'!W:,5MX,)'5]&J8<^*M@I*!W"Z!O^4Y18HA1>]NP3G9%6$-ZWBOMBNG?ZS0?IWXK&_M#K%!K'?;KG3QRN-B&\5D6EUS1KV]&CB$#3>XM"ZWWBKZ!$')W$ T4'+,$R" MSVI;-&Q0T8[!:"!!!'$J;SO4Y6.*'T+|KY@NP1FX.2]\FOE&#?M4M%]D%! G M\;9)PX0@U'JG#Z'3L-5EYI".(0GHG1SL+7Q0JT/HWQH@%2>A;=^&W2^:5UHY MM|$[3OYMOP_T=TNWZKMFZ%MT:]K)H?FEV@[]ML09_M>,VNEK=LV,BB'2;O&W_;-GT..W7WNG1HV,2B8:;)>?>V]0=X\Z_'WEWUY3\X;=+)IY:CU_;[NI MQ058OI6U;1OVL<0,5.$,?-M"'?ZD\AVL:]]P@47C3HUGZ6T/]3@S:M[)RL8- M^U@TTY0X-M[V;V#3[-)QV+PMHJSZ*8XLM]R+KXETP]DHFG^Z&W"I=II,('ND M^!S>CI2VK+.NA^A@8@W'IB30ISY7[>V0F#7^U^SM@2Z!6HD-QZ5HSVKG*&@Z M-&^OE=Y3'JKD^7%@ MXI1+165D)^$39Z]FGJG9]N_L&/<4G MCY:WP>&%)1OQ"!%A9()?7+K6@TLH:SC42'72S[( M<)G$/,9^I\SN[7#V\-("(JP3$WHW*;^L.64MNS8B:$1N#)!Z MNS"&/Q>L,2/;)NQ\-IHH-9R/DFS4YO.A&CURK=^$C$/BZSI<$TW-& ,:I:)5E MD7AOW[S&W4SE_"O7.;%V\+OJS:QI7;^7/U9$56:5 $H44:HBX/)M-[4&7'95 M PXDU7 .NH9FOGWLAHY'^C9;.S>RB/L[=BZV.U[.C3%^XH>T&R5"K#!D]=Q6M7F6)@<,.UC'3=#B21;MGTY%498IHB@[4\2FBB 4+ITLHK^/Q<#]#86WDZTG M&KF#!'0C89S5;2+ULYRTPZ@W'+*BA7;00_9V MQ/HD9G1XU;H3:#@H)24)JE(XWEZS04]!<@^4__G*LTGI4.&9"Z4$;3EM[],#LC5392DZ0ASV%D1IZYP?*W?7FA=29B 1[$//E6*TA9<"F M+][I2V*]_)1V*#^36FDW'+VBJ;DNU8EIC'(:+$D")L(>33&5^DRIMT/6_Y"E M45!^1-?%M0C9L\5WGYC%@=Y>T"P|>^%W _>5 Y/>F@./(K#S]#AP'9"?]I*ZO+M" Q\|/+I+J# ^|T:)9'H3^&NW+E"X/I6&HU*T MEI' M_@W[7S11%^!=_^B:#__S .90V GB?2LLJ178T/.6KY'X43TB+P|!>>\'FP^N M%WUPW.T'T>8#E=F_0R^,PE. UYDSE73Z3$4[1L*)CN#G|R^A|_^5GA&=[M^^ M"UWP7G[W0=/,Z_ 8"^F"'=&ULV(2'3C/2CI#S|K?6][7?](9,L/F0UQM,7; M!QP<.N$R&H/,]I$2#>SX 1\EBW3@&GLHJ9DY#(S#K?4>QX&_@_^PD3_0&V>= ML^G7$ZI?LIROGV>PM*BZ9GHCRQ7 M5KCSCB1!-O..9$9B2:T#+X1F5@_P4-]JZ4V R;38O18>'"^2&9[%[|F\+1@\E M:I)=/>FOG19#YY FEZIKQEZG13F, ^*#LZ\DT]%\%G6,86HRF$.RV#++>C8_* MFP|U[?2)C#4]0^=*=PA-H1I?6 VYA M<0!U1^T&2MN/1V\'WWZ-\9Z&;4AIGN/ [I"6N=<)#D!D9D%0#SZA"]/(<<@V M4'-:A^Q<3?>([]Y#]Q1<*51 ;ERFBA*[ #/S"^ M&$\5=$P^>KK@/SL]97H'-;E0(Z=UD7+6)-:'(UXA7I7 M4OO$IKQL!P'L#;32/>8R%9N)OBNPYRB&3UM'#)NN!^@@\F:7X!#@EH[+AP'7?0-&HBT<-N2T$1,1/J^]WZ#C&UYT++U?:@;6H #4IW:(V&@[7]/-S=#B]\VIKWM@G6C9|2V'LY<(HJ^H M%'WFQ5L14'+IAOD G(PEMT'/FW-)%,)O@'B8&G9A&(/]YMLQBPT0_P5MF5]! MT5Y9TG;:U(0%.*EI.9#__R((]!"0]>*]6IUWD00LP<56$=>KDM@P",/DS: M[^%':"(Y49?"<'Z/#R3D'=-'H )FE2U6T6'3GZ]? 0MZG99#4:7B<0=]8OL&PR MYF$=-N I&7HU&7.G8[#58I4=P?3:S;XZ,2.J/DOI5,RA.H*]- 1(:;#O?>IK MD?LTRF%;WI[=+>WHQMK3/Y-[Z^44KS&5D#M;Y1L)C6D:[+ Y]?W-2EN)7:RS MM%7H.:[9K+<=:'3#5A_KU11,5#WM4!-7E _4(GN,,"G=4I:4UZMA9JF.I&<> MQ%IE_ZGHG =QU9[@B/KG09S5TAA2UVG'TP&D#.H]77DH]IF(#G30 6M-:VQ] MJ.LVM20T]E:4E:6]ISU"/@$87M]B&TZYDGD)YU27\2K8&ERHRO'SC'T#"A]D:0(2&3'16#0Q0!CH+ADPSLVYFF M]-\6E2L/]H/#;U^_I/A%ZG4%Z_4%_3'YB-B,__9=3<,//TZZN(WPF]^D\+^\ MRB#'B'F4-CET!KV7#424"R^,@IB?MPA3?2VZI4MT&@?@#L2!ZSL52]FR\T28 M6[ZX56>BI*'F,_&K[SNW+I5H1?KTY>5)]>FH;JQY5LNM3T7LWV5X'*3&TRL( M/,&G,:[WKWR'^8?YGUOX(%0FM-$>]?C0OR8 4? 4_]>>,)-'MYB&[M(\%17 M'*A674=C#)3?:VN+3S,X7#D6TSUG09V^QOV/^4^U M;2_-\[Q_O/2M)<=6$+CT>Y0VGNIOM[[#:%L.JDV|UZ3>4"I3'?O^MU\L$E>= MY59=-2^[L*O1C\7?<(C!^Y*OK;:IE]66,5$.=ODJTQ_2Q:7_^(T'KU'IC#Y] MX8T?TNOZ?[N[$]_)3[:AL>Z;G1!N0_>#G1_0RY1;T:O/;7T'S;.[HYOE.7_'

*)S0#5V[L*X\>5T/H]_+B"N$S? M(2HY[ZQ\P=6VO;2_5'V+K;>&FA][]F*G=@U M"0*5S:=D\6KZDFN[C!FVE3.PE]E(D_B,ZE"N3E0T7U2MP,*[%T ;MNQ9BXP= M-=,ID]#8!*+1G8C1*$SA)50K_556E*AN:TB0/O5MI@>GL$[G]#=E,G152]UB M:8LQ M$*!>XB L@IY6MYM(\ @SC[2*&.$M)Y$PWJ+P8F7S>88B)/Y^*C3M_ - B7P(_ MWM$> ($0Q0%KP(O$'NYC&.LH4-'JL$K]ZM3[V@\!_QD&-/;]ZL2FT1(BLIB+@ MB> ^4(B2]?]8M.(G0>_]2@+ #$DY8;>INTV-4&[[4UZ 0R*,?1/ SE3D?]%[] M-*)FMN@\8BPK3"}4RK6"!], /MG0:0]8^?4)7=4-1SQBS.7G/F&I](%1H &Z MMZ;+I&P]EV"(-*AEIK';I!CZZL40;V'MZ+(C)?/C'#<(!\PZG-[YQI0Z(2&FB MNYC#,R6L%*>5, 06V)2#HV==-L\7#[ T,TUVJ];#N08G ?6$Q@LO:U M>H';;%C0[%H7?FG+\32_8&-YHB0AN!'ICCF6*%=(%9,0/D[XIQ)HE@2?-=E1 M]= V)$I>4AKDYM'WJB/F"TUTGZ)'*]A([(3?(0UB@"+3NL>8B()=@/OKD)ZA M]AHO1(&]=@[4E:(2CZAN3"6WLQ>>$<-]LY K([Z8?%3N905"@7;RP]K2;[%% MSE@Y]ZPUO%/FF4;"^K7K((:/CKOV*G3J3).IP"X58)+X+ ^A]<1#T4GMR^F'M M)#3_]1M@.Z]K]EK=>%0HQ(HJ2>V3@SO1&%%KY%>U0!)G\:/5.GI5Z_'#N[.W M3KW6WM!)!|?P);8 .A8KY=.M\&#1W\L^B:8&NNEl.0OQGV$]Z.YSZ\4.TCDFO MQAY8GBP"@3E1''@BR+_T=NU!;H)!MDQ<=GI$V!8(C/C<1!88#*7D48M)4=%X MO$ ^=ZG1PM-B=RD.S: ^=?W7Y,<9]*]XZ UH-WH>CB:ZCMVIK V(B*X;V_M.F% M%>#*>+6 M0::#-Q"-;^#V=BX(E68L,'9YY6:/7DH-7OXFBQGND<9& XSI->Q M4'**+VC[^.)#]8W'ON.P'|W8 M2&FUQR[;9@**5N)/%NIY;4V5SMW-YC?GJT15.YQ;=II0)E91?I,VO/3K3O|6 M?>GU(SMF?0AKLPGP)A'C641$DWK0V&UZZ(JC00G73F MQ5LAF54:?'71'VV) $XQ7*US=0X:8MPZ=C9]KAW(WYG.E1T5/L=DG3@3(]0+.M*>-=UDSS M3,[ (;D+W! 9/R8:]QPI8 A]_Y2\!_TR:Q6 *%OWU0[6X> MN]A8.@=(P648 M(3QU:(#6.U$7^]"4YM4"";A$.NC!PS)3??F;'+T&IH[S<2&*%9QLUVIC/TR&G M9K$WFB^]VT_@ILN#MU]X:S_8.CGS>"_^V/[:ZT9M="=,&FQVC1N$P=HNDSPB9;9]NN@YR#$+!R87<3R-_T]TP;EA%1 M\F:M/BG=24TDL)O9$^]V=$[.ROO%"EPXZ!"D7559JW7W41EL'U)2U7]\JS23 MQEX#=UC2<,SJ)1R^/#NIAGCZNC[S075EF60'8UAWH#NN_]@@*TV/4=C"S2: MDEB0DE*5#3+]82T6X959*<6< GU'<;35)6XI=5:WLV@B=X$>.&^ M]A1BW_*29+1JZ;ZLF7Y9IDW5V1IO2T<* T4@_E=L$;8:= ^"M5\R 87>1 $^M3*LBTGL2DWDTNM?AD*"-) [_X).@IT#<4J3M*8[RG'_3SU9I>>2QD M:?7 L^0N/%F^CBYZ-V=-'XK:D6JQ6N>@.MVIM)UN2P0.MG"?U-@2LBUT'^OH MBBKF()2L,<@O-1!]Y2TGA3?5'V%J;_87GQ"# 5J12U+4<M[[16%$--QJ2]4]O8;[Q0MMAE@"FU>GZNT8@V2IOJG0ZDP7MPIR7]&<,D\-?E MD"Q=>^NN3Y+X&D7DGXIA5FF^;M%K0BZN8O!(CSC?4L: #'K9$OJ3M_G;=]@[ M^GKW78;701R51IO9$*%-$G_3LZ2$DZ/SM=]&;HPS_/|GDP+U_OCOAP_P MYP^ ](HO@>]W_Y%00\ >H@1_/___4,Z\C1Y(&-,G(^/LI Q_|Z3MP1&?\ )M\O<)_@6T?#_E68OE3F>+_ +5J)37]MU8-N<.KE_HFJ>D9]F((1D)L,L: _\T$0 M%9OQ//DC"FL7"FN2/H(!$!!\'2',,@KNC=Z;EI*;_N3+=P3] V@-^_W_ZOO. MK?N4U!^\0#S1I6K1DH6;+5&[(J2,Z!O!$;W/E(G 8V4:2"8!O(303>O M=KERUY^>&UM1>V*/O7# M^T<<;"UR; 6!2T4JX0D/^\N(@C 2E%%"VHR4J)4O\OI8RAU%R=J#8,V6U =_M8]NL^]#)%1>9%0_1Q W ]V/ICS50CQ7E8F0A"CC!+2B-,V(SQI M98R\0I[RUAK*F\)XLQ/>+$9^6'WD#D +'4"L7ZJI^:%RZ0GQO0U9!+L+]CR$G MCX ^8@,@RB.20R 8P]S6#< FJ>+P_K5PF#NB<&HE>VD+3ATZS+!'M6A' M*P_*=7$OSUU"E$OWB*1DV]I>WEHHAT 7'DK99:.@R_FS6S3["".IHQI)_>I] M-B"0@2V*W_,N '?1C^<$3+;!7I-DEJ&_0&P$Y,/+R48Q)*5IY9),AD&9T41O M0OM10*9KD-DD121)SF#^I&+J9AX]/3P4-#3!2RBH#ARTE0G%9ID<]&RSTAGT M3BQ4%^H5'@5#40%3C$5_HH/1NY"/QBY%+H+R 84 .F?NB,(<= MSQ01,8F(6RB26IK?:S:N[,1_PI[E10KBK<;1GHH.7GDI/1GQR!5^%,C&R5I M=#H||RY9 ,$=A>7X M$@X.G@,WBK!W$S\0UY8YVWV-/|*# MX:([B_&)E<'0CHU&OR<^W,"FRN'X)KD+0N%7'03Q49 <9G;LED9O)ES;[79Y M4*Z_8(*Y.3*C_P@_$^?Y9R&E\3N;P@2E!$GC21MEG+?:HUW[5>KE MBHR_5YGGH5BN,0@ O(3!YNW3)@)WELDIEWTS,X']$2.+U*&1,C9ZV".UG1B? MRV|&$U(O?6]#/[,MZ&:WM$/_6&6@> 0\\2PI88& ZCRX(-4,F(ED+IJX=$37 MK$Q:L73R(?:CS QD-CI+M[MR#X'!-+?8) 0-.0$U\&%O-L8K5ERD#\MB^#*XSE,1\GWS1!\A[<1:F"GXKJ5' _J5%8FJZ3/@ M10VA;69HX-#93E#['$S* 3SWT+0+A,GU:)H"-H'1>P[1C|\7"#H|_WK60YYLMF BVPXR2*))]DO(-_P 0MG1S(V6+CX MZ"R&:HR%27&Y>MZO1!CNEGRB>F M>*#@^;KV/O2Q+JK2%N_\0G=':"6BO"$,ZXON" 52W/S?O1H>2C3:>;+07200Z MP^"NIP3]1XV [OVE ;_8#:!XX>@<#@RS5[1*21P,7H(\2ND+KXXA;5$_H^K! MM\)'M/8#9 L@/_RRD_?3I$K.8)R1#KLW-'_J#IP*P:X##3]#A*>B7AAUQNOF MD$R)N6*=T7U2::3'XY\ABX N2LB:D,>O_2=9UJ#/ 61DS BZ/68LUOQZ|B!B=A>]0*#]C+\)Z"]@Y>600A?24F.E(R-+&7K& MBY%+[5%6H0 S*XR]RHAH^:H6(7?33'$QE(*O +4$-LZRDH-:G(82SHE9,E. MPF]E/H!8|&L#|&%8O?,GLF1*; M0=|K,<+P]EX+WEWF(_CUF[MR.C] W(9I!^]@0|Z5 M]>)NX^VQ'P3^,R )6#O:I%))"4$3\!OX(.A!2>0.1.QZNWHPY?=5N@M$&ZCFP MT9 <#B7C(;D8R8A(#CG_1<@)VVPQH$H#7XRU7(ST'&S%8J3GP19##^ZGRQ6* M$FYZ0)_]I+?ZE0P <,Q7O^K#%%'XR92\DOR<#LA/"LEUP@R(Y,)S\,O/N-':^;-GY(CI5U)E3.YQ6> M#"?M'7K^)IA_V/-3*D]!-/;90(PZ8$52S9>C5?"8VWXE*9307)O1%Q'++J,] M$Y;RN0J2"PE",B]N2(:1.\Z(Q">Y,,))6K5:%AP2L8T5^?2$%:AF9=M$48#? ML<.#P%E4;.JZ#7)"H/ D19ADO"6,"K+M4_F!?W2F8GX=($0,G 2\:365)K1 MRE 'TB@D0-R#B8"?"!D)A4M"]|>(6"%-E)GSR!$E;BD;9TR7!"5(13]4T!\% MR3.0U?ZGST"QUD?I3HO01_$FP "_>8K7F# [LCCCY2\]ASWW'@*E2Y[ 8@<> MR4Q(CBHZ+(ZL(:9;*1QR$<10; VX0&4"4E:X>6+0C"5 Z9Z7[?[9]7H)'/+^ M=+VC;Y34K/C(><%BINLGT*NL!U#0.1JO:8B0* 'GYM_3\DP /]># (3D2+-D-*.!-3!H*%%D&$8S M^3EMN!VX% 7_6'A]4'%UZRKWG=PTXEUF*+ ([']'S9;>L&WZJCS9U^FD24C+4Q%!RE@X6LE:Q!B2<@9L+H6"BJRP5?!3>!3O=766B,R*=$CB<^%*3(R/SRX M-^.)/GMP(\>2-04NW7_%KG-XD$7.)XW.CB_N3Y=IR8*$_OPXK*LW(=A,RDZ0 M^;*9C\INRZD)2Q2[TR[|,)31R:X7N]Y&>&9]+SS&:S_ O-V]|8++#LQ=ZY_F! MXWI6L&?Y6M> ^QPJD^X0.L9&"6+]:]AW,Z? LTIIE/"Z7S0@]L8E*@95-;H.Q4 M$CO"'V@9U4Q7N9:$K:58,"$?1]:+E)$'MJI4(F?U=LBH@%G+ F"6">^ ;N[( M:V6L8 S+0IW9Z@ &8<8'P(.? P>1)V;Q'@]\?"+9^<+3Z:X!0Q:NUU$1O?.+: M>RUJ/2>M:O1SXH1DF%@I9@E.V(@R/@1C^23>9)<>!/W!I34E@P]$R'/+#1BX M70H-V0\O(F?YI/+4F@Z!GF",&?)&BFSQG ,@SF$!%51-$RED6=2!M5A/2@ ' MS%4(N,,V735G1=?6/I3F59.GS|6T 1<C?PSA21=9NXZ|_)5Z MZ3>M,'.@B,O|4<>2/?M#W"JB.+2\/?M#W"JB;:.4^,)(1+YOQ0!X;%%O?[$\|&*[U51LV9 M>5+@FPV#DG&0\BCM[OL^^^5Y%UF>8P7,3> [L1W]RBQ@T9ZC ME/0YY1+2K!B0UY"@B011)*DN$O@8\5]3*#(^9MOEH?$B!:QB"<$V--B5CLF+ MG5&!]HP$NFAC((OW;9B+Q.;("DS(2F Z"@AF]I@-'H6@9?]B*'%;B?MZG/)E M0A#G":,*WO+BT<<X'YS'@.LG0Z%Y&8)Y[&@C:F03@V3..:B!9J@3!9QE%P?]MR MSH=+8LZ'A^3D^)F 8D.GI2'&W-IQ?!YSZ-4:.$@N;X&.SS@ 5H;FPH8/HQ^]?W=^PE/5:SNU^N+]^3=_O#^[&_I87./HQ H?&;JU@YWC_=<0 M.TK%UB4(MQN:|\K${3OV700*A7S<=*[6!114LK5])D/-D.ELUM9]YDNG?,?@ MNDNY'3!QF>,M[D$:!H?_>5,_]J4HUW.?B^"MD.@J;]8+I;\U+L?2OS M) 09=J8D:<85HH^9@K*@,/4@20^7;AI$OPG=*Y|_17E(#4%_4J%CB5F#8A0B'Z?-2OB$++&@]O2NH6]QM >7 N19)CF7]`7O{1]N@L6Y<#OLB3;M=%0, M+19*T#76Q'\6\!=EBN/@=LOA63Y`!(&JRY2_"I6!0(`M%< ZE98JQ=U*})9 1)-G*1|UNE/PMGCHCJ X.EYSSPN[*:O9U VNCT$JVIF^ M0S^C(!U'N.-ZS%XRF.+F\U:N2)S;K#@Q$Z#7*YM^GI%1#D4$+/@%_ PBY3 MC2.DYQ>*$H=GZS6VX=E/?W\3N#:6KJG^ = DN,,(\"P'$Q%

M;T'ZL]Q=QFTCZD0@%XYGKU*A/9]SX #(K*2_VIFQ"L3 .>YY% M A_,02;ZBH<:&4#W!VQN>E]';&9?L+\)K-VC:UNDKYU7!36+R9/BO$V8=^^C[&"L;O KX3Z?WG;@&1BX4#?4 !+)XW&+++7(6PK?-CO. )S"R!L]%(LT@B*77KY=!0% /!'8#!?N'"Y*MH!\P7R>YZ 6*A$W;!D=L#) MD4!GJS5$S$AH:7V!A&@2Q/?
&MS\KY\I4L;/"@S'8HP2^.SY,.AF!;3EQ)6Y&%6DR%0F4@E(Z$Y%!F,*S# M<4W^: SG;9>I 214&+=2QG=BM,$?!Q.??E8 &L<@/-SPVPT.X!?6!O?PUZ4D M$=!AFW597L(P*@D>2-H MP@-PF+E;L>?Z 0H!'@]T4"D%+-!I8#VCAR1?RT1!U6P2S2UV\)9EMRB)+CU/ M:M;K3Q4'.03C?' )=0 &Q7$M) >EQ#.)0L, ^%-CV/6=)) ^!@9^DYMUPGIQTQHAD=UT@6@O+&47
M2%K!PXH:6F9=KB(AQL#Y'!@H9"A21MR4$2QV8K#W"4"U1#!_]F*S"^":"N#] M# ]"0I<$$5"<.@=DC,FGX'(!99=HG=YP2|-SC803H/7)0:ZKDK% >]>P?EB%0P8ZZTLPRAD<'"/=|2
M/|CY#'G+6"WGO@P4 ??2L*+9,"'.D?G8[^HLJKV.TNW3@[LYG" 2P)*Q;WYI MTXB+XZB,@^D3@3<56(J3&56 M)[ N12[13;';H$$.N.Q&73&<==2!=8<9C53N,Y7O]"98F>#+*6I*@-
FEZ_4 M?*HNH*,.X]5Q7ZAFH/W<#)Z!Q>_.^P*+47\L3Q%CXH;E$OKX M/XTQ('3>/P;]#+:?/WI^R^P9DF(4&V>A)$FPH!:JO3WRT0.6UA2&L\H&'#H@ M @1BJI%GKMYC!*
(.H#DO?/7P3GQ_4##E[8ZOT6,EK% C\'XRGU_R1A*'7L& M: S#O!:>BR$MC'<_X3W%'@P2WM)NXVW_+1"$IC]!8G:^:8QMXJJ&L+4!JC@0!>V'Q:>-5M5! M-
Z_R0#8H,Z75\'(I"7L](@0\RS":M 9B.,T_V2 O.3&:[#K;^&F)GD]<;M\(3T $@2^>NCF/[#8N%RL^*MX&(2^O:MY ORI@?US? (Z^7MV=W2U!-)<(*6
MZ!:=H3N(JA@X/Z#*7O,7B9^9KJ.I\KWEG//9 RI_:DI42G0T.G\/^R]:7/DN)4N_%<8OA-OV!&J=E?;]>7.G0^I
MK;QKE5(CJ;K#=SXX*I*9HIM)IKE(ROU+PX6$B0!D$PN0&9J8NQN*P$0YV [ MZW,&SCXT-O$K-P&/8'I/$@*U=AF$>,9'\)X@$? A(1N; AB?.6S8F>2 L8@2
M2VW0(0YDY'K2AP((=6(4#L$D=*B@/)O0R)Q8@&&XKV?X0M[%L*(I 0VEIO-.M-HE?R74Y0A&R8EA'"=&U15H5(5V$%1:LS:UIUD\[Z;M;@87/=A:TC(/YFX/
M/:L:K$$&%#)KSEBE04 .;?2.I6Y"OQ7 <0.V<+QAC!%HK0:]AB!@,/D #.;U*46W(V M9-QIU7\6^7 3_3V(!@F5'- XB#[!@H>R=!)A=;XWD?-WJ^=;VR4L#VH,CCU+"DDMB"^">1#)C;^.
(H ->XVB-!-AC:#8$V%\0G22.4+SQ _QSRD8E- MLQ.0&1X|A0W0E))2\ I[XD>FC[6"Z M:]>LRA_K4M P"+>%UA|I(3X-SLH2: M:"G6K@^3*#5P+;_M?>9$@+Q ;_D=)I'ZL+0#G]7IJU
90,? M^,802IM4BL((LX#'5UH"!69Q1Q_AL-E,7.H*0!>N\'V:[;Z#$"47;H;6<=(_MFDX$'2'#.60\AP]H^?Q# U-O360*P'&UHJ,Q35H'U^(C36C\&$\ 5#3KQY:H
7H6D1@\;_'FDG!]1LDV#Z/-YQZ5#?R'Q<5KIM2DF 6::N@]1S0\@GNX[@-\>9$I@=CHZ M*,U2P\-."BP^)BVA.3(Z91Q^BR HB\"K^%?O'FI:

-8?2 M0$3,8T.P6BP^0"X99K>]9!:GY& QLM18MMW_HC5"P9ZE-RQULFM7 ;HS@M5T+X=IFD V' MHT'+I4J^?.[7.3.#<$,[43FI%13Z@F]2/-G_]OM-MI56+F0CW0#7]B^Q/"%
M/0>0<3(:0H5+::.SKC^CKY\"X%7#P;]MS^D_9.&&NN1-_&=UMI%KY:N N!L%M-M]"8_^Z">&'^3QCU)H1.,!E5W+C4V8XJT8)-M#&%G YR MNZD350G!/(3 M+>+1.]V K5",8TNF70A9P! M*UKV)-
V:3;H($W4 L6RF"C =Y )QY#"[I,1Z@2P'!FCW\[ &KYW]8],.OQY M[UF(B?DE)18,M#W3P8AX\PR5V#A\F%)28J?<^T+@FG&(H1]LE.5]SA@18C\)
MZ86R]4DF7)7=04;+SED(^6)B1DF)E7(M%A$+IHZ4V!T3W;,2[,SK^X,?4 M$^1PR,/LD1+KXU9PZ <]C^7P;/V?QI/480F+V2*CU 7G5H[>9\%%L?=\] MS/TSS!L9L3?NH-ZIJG0KV-
FMMO:=SVD@N^91&I-ASLC(G='C/?#GJ.UEZ)2$ M6!ISL>HG=L=GW[T(V3!\9L3/0E"H.(2:0C%@@ARG5T3AB\LB(-MY8%F+E$<<\PA.;%#?.9R+'8Y9HV M2&-^/280$U-
,3JP8))OQI"$FIIB<6#%'LH>C_0?S2TX^'<%LG8>8F&IR8M6@:MRS/Q$(FI)B=6#9Y41-'$A),3"P?'+,)5;$PXQ2D7N[Z7(2.FH.+W+7:!N>=0 M8]W!$ ^]J=\38F(**DZY
!:US0)34$&L(!PS:IOH*Q9B!,U**N,G'V)B"BK( M9SEO+=L!\&4=8F(6*H@MA$?.4=O$+%20KY=AF%';Q"Q4D+]P@43=/]Y:^GV\ MB3.0$!.S4$%LH5^88;?Y1T+>R3?L8)&TQ"Q4$EL(GV&=" 
(411.S4$EL(10SCB9FH9+80F _UW:]\1$7_533X3>QIQW;1MB8A8J MB2V$32O/V23$Q"Q4$EL(QYR'F)B%2F(+A>OY1VP48F(6*JC?W!R9I >TX78F(5&Q!9Z]58B?O(A)F:A46^AP?[3O5HLI1+U'5S"
M0GG%FVIFF/_9?590E/[EW[]KF@F4?56WFM?[+P'W7S%^^1=02P,$% @ MRH-G67=+<84& @ \20 !H !X,"]?,7/2Y,) X^V,YOGI=N;B]7/(_S.QWVSVZ_RS7_\^YM/T MC\'I3S^^EUW.4[-
X[<9MGE9.^CA<3Y=T.7*S>'E;.>/+FS2I=!\"D-8/ M,@BR^D$.05X_*" HZ@>U$.36#[J'H/OZ00\0]%__Z!&"'NL'R1)E7!(DS; F
MT%)0:R'P6A!L(1!;D&PA,%L0;2%06Y!M(7!;$&XAD%N0;B&P6Q!O(=!;46\E MT%M1;R706VBOJK01Z*^JM!'HKZJT$>BOJK01Z*^JM M!'H;ZFT$>AOJ;01Z&^IM!'K;,+.$0&]#O8U ,T.]C4!O0[V-
0&]#O8U ,T.] MC4!O0[V-0&]'O9U ,T>]G4!O1[V=0&]'O9U ,Y]M=A/H[.BW$^CMJ+<3Z.VH MMQ/H[.BW$^CMJ+<3Z!VH=Q#H':AW$.@=J'<0Z!VH=Q#H':AW$.@=LY^5!'H' MZAT$>@?
J'01Z!^H=!'H'ZAT$>K>H=TN@=XMZMP1ZMZAW^YUZE^GSD,NUYVN- MS_],JJ?SO?GZ^,ORZ^3LO5QP3K<5Y?DO4$L#!!0 (_]#9UG_)Z=UXP$ M &PD 3 6T-O;G1E;G125'EP97
=+GAM;,W:74_"!0&X+]"=FM8Z=?\ MP'"CWJH7_H&Z'61A6YNV/(Q[NP$F&B4.3'QO6*#M><]ZDN>*ZZ>MHS#:M$T7 M!MDB1G2%&"@7U)06T==6IE;WYJ8OOH7YDRY-"_$Q&12L-
)VD;HXCGV-;'9] M2W.S:N+H;I.^#K7MIIFC)F2CF]W&/FN:&>>:.NC0QK;-U5WU*&>\3\G1RV!,6 MM0MG:4/&ODSH5[X/V)[6)/W=46C1^/CO6G3+K9I6(C;AD)^O,07/=KYO"ZI MLN6J34?
RX#R9*BR(8MODNZ)GQY-CNF':??*3\X00V/$Z_XX\S2]__RSX$ M2!\2I \%TH<&Z:, Z>,&UL4$L! A0#% @ MRH-G66V7#GSO *P( !$ ( !KP &1O8U!R,W!S+V-O M&UL4$L! A0#% @ RH-
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T>6QE&PO=V]R:V)O M;VLN>&UL4$L! A0#% @ RH-G67=+<84& @ \20 !H M ( !$FH! 'AL+U]R96QS+W=O<&5S72YX,6Q02P4& $8 1@ A$P 9&X! end XML 70 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 71 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 73 FilingSummary.xml IDEA: XBRL
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and Contingencies - Summary of Capitalized Implementation Costs are Classified on the Consolidated Balance Sheets (Detail)Details52 falsefalseR53.htm995935 - Disclosure - Leases and sale and leaseback - Additional Information (Detail)Sheethttp://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackAdditionalInformationDetailLeases and sale and leaseback - Additional Information (Detail)Details53 falsefalseR54.htm995955 - Disclosure - Leases and sale and leaseback - Summary of Maturities of Operating Lease Liabilities
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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": [ "r54" ] }, "us-gaap_AccruedLiabilitiesCurrentAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccruedLiabilitiesCurrentAbstract", "lang": { "en-us": { "role": { "label": "Accrued Liabilities, Current [Abstract]" } } }, "auth_ref": [] }, "us-gaap_AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AccumulatedDepreciationDepletionAndAmortizationPropertyPlantAndEquipment", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetSummaryOfPropertyPlantAndEquipmentDetail" ], "lang": { "en-us": { "role": { "periodEndLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Ending Balance", "periodStartLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Beginning Balance", "totalLabel": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment, Total", "negatedLabel": "Accumulated depreciation", "label": "Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment", "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services." } } }, "auth_ref": [ "r28", "r139", "r494" ] }, "ecd_Additional402vDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "Additional402vDisclosureTextBlock", "presentation": [ "http://xbrl.sec.gov/ecd/role/PvpDisclosure" ], "lang": { "en-us": { "role": { "label": "Additional 402(v) Disclosure [Text Block]", "terseLabel": "Additional 402(v) Disclosure" } } }, "auth_ref": [ "r758" ] }, "us-gaap_AdditionalPaidInCapitalCommonStock": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "AdditionalPaidInCapitalCommonStock", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Additional paid-in capital", "label": "Additional Paid-in Capital, Common Stock", "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). 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Noncash is defined as transactions during a period that do not result in cash receipts or cash payments in the period. \"Part noncash\" refers to that portion of the transaction not resulting in cash receipts or cash payments in the period." } } }, "auth_ref": [ "r14", "r15", "r16" ] }, "us-gaap_ConvertibleDebt": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ConvertibleDebt", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRelatedPartyTransactionsAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "totalLabel": "Convertible Debt, Total", "verboseLabel": "Issuance and sale of convertible notes", "label": "Convertible Debt", "documentation": "Including the current and noncurrent portions, carrying amount of debt identified as being convertible into another form of financial instrument (typically the entity's common stock) as of the balance sheet date, which originally required full repayment more than twelve months after issuance or greater than the normal operating cycle of the company." } } }, "auth_ref": [ "r7", "r106", "r928" ] }, "aspn_ConvertibleDebtAmortizedCost": { "xbrltype": "monetaryItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "ConvertibleDebtAmortizedCost", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureConvertibleNoteRelatedPartyAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Convertible debt carried at amortized cost", "label": "Convertible Debt Amortized Cost", "documentation": "Convertible debt amortized cost." } } }, "auth_ref": [] }, "us-gaap_ConvertibleDebtFairValueDisclosures": {

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achievement of certain financial ratios (for example, working capital ratio and debt service coverage ratio), and adherence to certain clauses which generally require or restrict certain actions (for example, entering into a debt arrangement with equal or greater seniority, and selling or discontinuing a certain business segment or material subsidiary) to be in compliance with the covenant clauses of the debt agreement. May also include a discussion of the adverse consequences that would result if the entity violates or fails to satisfy the covenants." } } }, "auth_ref": [ "r7", "r48" ] }, "aspn_DebtInstrumentCovenantLiquidity": { "xbrltype": "monetaryItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "DebtInstrumentCovenantLiquidity", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureDebtAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Debt instrument covenant liquidity", "label": "Debt Instrument Covenant Liquidity", "documentation": "Debt instrument covenant liquidity." } } }, "auth_ref": [] }, "us-gaap_DebtInstrumentDescriptionOfVariableRateBasis": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "DebtInstrumentDescriptionOfVariableRateBasis", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRevolvingLineOfCreditAdditionalInformationDetail" ], 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If rates fall below an agreed rate, the floor holder will receive cash payments from the floor writer equal to the difference between the market rate and an agreed rate multiplied by the notional principal amount." } } } }, "auth_ref": [ "r638" ] }, "aspn_InternationalMember": { "xbrltype": "domainItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "InternationalMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRevenueFromContractsWithCustomersSummaryOfRevenueDisaggregatedByGeographicalRegionAndSourceOfRevenueDetail" ], "lang": { "en-us": { "role": { "terseLabel": "International [Member]", "label": "International [Member]", "documentation": "International." } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureAbstract", "lang": { "en-us": { "role": { "label": "Inventory Disclosure [Abstract]" } } }, "auth_ref": [] }, "us-gaap_InventoryDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryDisclosureTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureInventories" ], "lang": { "en-us": { "role": { "terseLabel": "Inventories", "label": "Inventory Disclosure [Text Block]", "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory." } } }, "auth_ref": [ "r235" ] }, "us-gaap_InventoryFinishedGoodsNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryFinishedGoodsNetOfReserves", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureInventoriesScheduleOfInventoriesDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Finished goods", "label": "Inventory, Finished Goods, Net of Reserves", "documentation": "Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale." } } }, "auth_ref": [ "r92", "r643" ] }, "us-gaap_InventoryNet": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryNet", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureInventoriesScheduleOfInventoriesDetail", "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "totalLabel": "Total", "terseLabel": "Inventories", "label": "Inventory, Net", "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer." } } }, "auth_ref": [ "r145", "r642", "r693" ] }, "aspn_InventoryOfBorrowersMember": { "xbrltype": "domainItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "InventoryOfBorrowersMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureDebtAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "label": "Inventory of Borrowers [Member]", "documentation": "Inventory of borrowers." } } }, "auth_ref": [] }, "us-gaap_InventoryRawMaterialsNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryRawMaterialsNetOfReserves", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureInventoriesScheduleOfInventoriesDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Raw materials", "label": "Inventory, Raw Materials, Net of Reserves", "documentation": "Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process." } } }, "auth_ref": [ "r92", "r645" ] }, "us-gaap_InventoryWorkInProcessNetOfReserves": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InventoryWorkInProcessNetOfReserves", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureInventoriesScheduleOfInventoriesDetail" ], "lang": { "en-us": { "role": { "label": "Inventory, Work in Process, Net of Reserves", "terseLabel": "Work in process", "documentation": "Carrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing." } } }, "auth_ref": [ "r92", "r644" ] }, "us-gaap_InvestmentCompanyCommittedCapital": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "InvestmentCompanyCommittedCapital", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureCommitmentsAndContingenciesAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Capital commitments", "label": "Investment Company, Committed Capital", "documentation": "Amount of funds committed to investment company from investors." } } }, "auth_ref": [ "r541" ] }, "aspn_IssuanceCostsFromUnderwrittenPublicOffering": { "xbrltype": "monetaryItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "IssuanceCostsFromUnderwrittenPublicOffering", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "documentation": "Issuance Costs from underwritten public offering.", "label": "Issuance Costs from Underwritten Public Offering", "negatedLabel": "Issuance costs from underwritten public offering" } } }, "auth_ref": [] }, "aspn_KochDisruptiveTechnologiesLlcMember": { "xbrltype": "domainItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "KochDisruptiveTechnologiesLlcMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRelatedPartyTransactionsAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "documentation": "Koch Disruptive Technologies LLC.", "label": "Koch Disruptive Technologies LLC [Member]", "terseLabel": "Koch Disruptive Technologies LLC [Member]" } } }, "auth_ref": [] }, "aspn_KochProjectSolutionsLlcMember": { "xbrltype": "domainItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "KochProjectSolutionsLlcMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRelatedPartyTransactionsAdditionalInformationDetails" ], "lang": { "en-us": { "role": { "documentation": "Koch Project Solutions, LLC.", "label": "Koch Project Solutions, LLC [Member]", "terseLabel": "Koch Project Solutions, LLC [Member]" } } }, "auth_ref": [] }, "aspn_KochStrategicPlatformsLLCMember": { "xbrltype": "domainItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "KochStrategicPlatformsLLCMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureConvertibleNoteRelatedPartyAdditionalInformationDetail", "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureDescriptionOfBusinessAndBasisOfPresentationAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Koch Strategic Platforms (KSP) [Member]", "label": "Koch Strategic Platforms L L C [Member]", "documentation": "Koch Strategic Platforms, LLC ." } } }, "auth_ref": [] }, "srt_LatinAmericaMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/srt/2024", "localname": "LatinAmericaMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRevenueFromContractsWithCustomersSummaryOfRevenueDisaggregatedByGeographicalRegionAndSourceOfRevenueDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Latin America [Member]", "label": "Latin America [Member]" } } }, "auth_ref": [ "r966", "r967", "r968", "r969" ] }, "us-gaap_LeaseholdImprovementsMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeaseholdImprovementsMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetSummaryOfPropertyPlantAndEquipmentDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Leasehold Improvements [Member]", "label": "Leasehold Improvements [Member]", "documentation": "Additions or improvements to assets held under a lease arrangement." } } }, "auth_ref": [ "r95", "r432" ] }, "us-gaap_LeasesAbstract": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LeasesAbstract", "lang": { "en-us": { "role": { "label": "Leases [Abstract]" } } } }, "auth_ref": [] }, "us-gaap_LesseeLeaseDescriptionLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeaseDescriptionLineItems", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee Lease Description [Line Items]", "label": "Lessee, Lease, Description [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": [ "r425", "r433" ] }, "us-gaap_LesseeLeaseDescriptionTable": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeLeaseDescriptionTable", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Lessee Lease Description [Table]", "label": "Lessee, Lease, Description [Table]", "documentation": "Disclosure of information about lessee's leases." } } }, "auth_ref": [ "r425", "r433" ] }, "us-gaap_LesseeOperatingLeaseLeaseNotYetCommencedTermOfContract1": { "xbrltype": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLeaseNotYetCommencedTermOfContract1", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Operating lease, lease not yet commenced, term", "label": "Lessee, Operating Lease, Lease Not yet Commenced, Term of Contract", "documentation": "Term of lessee's operating lease not yet commenced, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." } } }, "auth_ref": [ "r912" ] }, "us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackTables" ], "lang": { "en-us": { "role": { "terseLabel": "Summary of Maturities of Operating Lease Liabilities", "label": "Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]", "documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position." } } }, "auth_ref": [ "r913" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDue", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "totalLabel": "Total lease payments", "label": "Lessee, Operating Lease, Liability, to be Paid", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease." } } }, "auth_ref": [ "r431" ] }, "aspn_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "Thereafter", "label": "Lessee Operating Lease Liability Payments Due After Year Four", "documentation": "Lessee operating lease liability payments due after year four." } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "2025", "label": "Lessee, Operating Lease, Liability, to be Paid, Year One", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r431" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "2028", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Four", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r431" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "2027", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Three", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r431" ] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "2026", "label": "Lessee, Operating Lease, Liability, to be Paid, Year Two", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)." } } }, "auth_ref": [ "r431" ] }, "aspn_LesseeOperatingLeaseLiabilityPaymentsNotYetCommenced": { "xbrltype": "monetaryItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "LesseeOperatingLeaseLiabilityPaymentsNotYetCommenced", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackAdditionalInformationDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Operating lease liability payments not yet commenced", "label": "Lessee Operating Lease Liability Payments Not Yet Commenced", "documentation": "Lessee operating lease liability payments not yet commenced." } } }, "auth_ref": [] }, "us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "terseLabel": "2024 (excluding the nine months ended September 30, 2024)", "label": "Lessee, Operating Lease, Liability, to be Paid, Remainder of Fiscal Year", "documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year." } } }, "auth_ref": [ "r913" ] }, "us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureLeasesAndSaleAndLeasebackSummaryOfMaturitiesOfOperatingLeaseLiabilitiesDetail3" ], "lang": { "en-us": { "role": { "negatedLabel": "Less imputed interest", "label": "Lessee, Operating Lease, Liability, Undiscounted Excess Amount", "documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease." } } }, "auth_ref": [ "r431" ] }, "us-gaap_LesseeOperatingLeasesTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "LesseeOperatingLeasesTextBlock", "presentation": [
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Preferred shares typically represent an ownership interest in the company." } } }, "auth_ref": [ "r711", "r712", "r715", "r716", "r717", "r718", "r963", "r964" ] }, "us-gaap_PreferredStockParOrStatedValuePerShare": { "xbrltype": "perShareItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockParOrStatedValuePerShare", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, par value", "label": "Preferred Stock, Par or Stated Value Per Share", "documentation": "Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer." } } }, "auth_ref": [ "r63", "r307" ] }, "us-gaap_PreferredStockSharesAuthorized": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesAuthorized", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares authorized", "label": "Preferred Stock, Shares Authorized", "documentation": "The maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws." } } }, "auth_ref": [ "r63", "r557" ] }, "us-gaap_PreferredStockSharesIssued": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockSharesIssued", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheetsParenthetical" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, shares issued", "label": "Preferred Stock, Shares Issued", "documentation": "Number of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. 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Does not include preferred shares that have been repurchased." } } }, "auth_ref": [ "r63", "r557", "r576", "r964", "r965" ] }, "us-gaap_PreferredStockValue": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PreferredStockValue", "crdr": "credit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedBalanceSheets" ], "lang": { "en-us": { "role": { "terseLabel": "Preferred stock, $0.00001 par value; 5,000,000 shares authorized, no shares issued and outstanding at September 30, 2024 and December 31, 2023", "label": "Preferred Stock, Value, Issued", "documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity." } } }, "auth_ref": [ "r63", "r489", "r693" ] }, "us-gaap_PrepaidExpenseAndOtherAssetsCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PrepaidExpenseAndOtherAssetsCurrent", "crdr":

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"http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRelatedPartyTransactionsAdditionalInformationDetails", "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureSegmentInformationSummaryOfRevenueAndSegmentOperatingProfitDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Long-Lived Tangible Asset", "label": "Long-Lived Tangible Asset [Axis]", "documentation": "Information by type of long-lived, physical assets used to produce goods and services and not intended for resale." } } }, "auth_ref": [ "r4", "r432" ] }, "us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentDisclosureTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNet" ], "lang": { "en-us": { "role": { "terseLabel": "Property, Plant and Equipment, Net", "label": "Property, Plant and Equipment Disclosure [Text Block]", 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Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections." } } }, "auth_ref": [ "r93", "r125", "r128", "r129" ] }, "us-gaap_PropertyPlantAndEquipmentGross": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentGross", "crdr": "debit", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetSummaryOfPropertyPlantAndEquipmentDetail" ], "lang": { "en-us": { "role": { "periodEndLabel": "Property, Plant and Equipment, Gross, Ending Balance", "periodStartLabel": "Property, Plant and Equipment, Gross, Beginning Balance", "totalLabel": "Property, Plant and Equipment, Gross, Total", "terseLabel": "Property, plant and equipment, gross", "label": "Property, Plant and Equipment, Gross", "documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": [ "r95", "r138", "r495" ] }, "us-gaap_PropertyPlantAndEquipmentLineItems": { "xbrltype": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentLineItems", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetAdditionalInformationDetail", "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetSummaryOfPropertyPlantAndEquipmentDetail" ], "lang": { "en-us": { "role": { "terseLabel": "Property Plant and Equipment [Line Items]", "label": "Property, Plant and Equipment [Line Items]", "documentation": "Line items represent financial concepts included in a table. 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Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures." } } }, "auth_ref": [ "r4", "r432", "r484", "r495", "r693" ] }, "us-gaap_PropertyPlantAndEquipmentTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetTables" ], "lang": { "en-us": { "role": { "terseLabel": "Summary of Property, Plant and Equipment", "label": "Property, Plant and Equipment [Table Text Block]", "documentation": "Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. 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Examples include, but not limited to, land, buildings, machinery and equipment, office equipment, furniture and fixtures, and computer equipment." } } }, "auth_ref": [] }, "us-gaap_PropertyPlantAndEquipmentUsefulLifeDescriptionOfTermExtensibleEnumeration": { "xbrltype": "enumerationSetItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "PropertyPlantAndEquipmentUsefulLifeDescriptionOfTermExtensibleEnumeration", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosurePropertyPlantAndEquipmentNetSummaryOfPropertyPlantAndEquipmentDetail" ], "lang": { "en-us": { "role": { "label": "Property, Plant, and Equipment, Useful Life, Term, Description [Extensible Enumeration]", "documentation": "Indicates description of term of useful life for property, plant, and equipment
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Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits." } } }, "auth_ref": [ "r811", "r820" ] }, "aspn_RestrictedCashPolicyTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://www.aerogel.com/20240930", "localname": "RestrictedCashPolicyTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureDescriptionOfBusinessAndBasisOfPresentationPolicies" ], "lang": { "en-us": { "role": { "terseLabel": "Restricted Cash", "label": "Restricted Cash [Policy Text Block]", "documentation": "Restricted cash." } } }, "auth_ref": [] }, "us-gaap_RestrictedStockMember": { "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockMember", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/DisclosureNetIncomeLossPerShareSummaryOfPotentiallyDilutiveCommonSharesExcludedFromComputationOfDilutedNetLossPerShareDetail" ], "lang": { "en-us": { "role": { "verboseLabel": "Restricted Common Stock Awards [Member]", "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": [ "r17" ] }, "us-gaap_RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings": { "xbrltype": "sharesItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RestrictedStockSharesIssuedNetOfSharesForTaxWithholdings", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_StatementConsolidatedStatementsOfStockholdersEquity" ], "lang": { "en-us": { "role": { "label": "Restricted Stock, Shares Issued Net of Shares for Tax Withholdings", "terseLabel": "Employee restricted stock awards withheld for tax, shares", "documentation": "Number, after shares used to satisfy grantee's tax withholding obligation for award under share-based payment arrangement, of restricted shares issued. 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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": [ "r112", "r113", "r194", "r201", "r202", "r216", "r222", "r225", "r227", "r229", "r320", "r321", "r451" ] }, "us-gaap_RevenueFromContractWithCustomerTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": [ "http://www.aerogel.com/20240930/taxonomy/role/Role_DisclosureRevenueFromContractsWithCustomers" ], "lang": { "en-us": { "role": { "terseLabel": "Revenue from Contracts with Customers", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. 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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
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share-based payment arrangement is no longer contingent on satisfaction of service or performance condition, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported
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F308+\816]B.@\O)O,I& ^&X 4XQ[R?*$Y[A[]LKAL!_!%[@A0/[8.K\,/ M[%%$]L:,/%#IW[N%\6XSP9U9/SEN"HUVL,1@XK$)[.=?[.XO_C=_MDS-,CIFDOV:.K#^)Y=)-7L %M#T1.#>/W M.@_MO&[L^*7U9[CVMH]\!K.K)XN[GCID+R)^!6D1=N/'9O01YGSVVN53)5!>_M.\G@<$Z7&A%S*,&Y&P"4[P*) 6$K1M]!(P#@[(1P.6EB9@_MQ_M223@:,F_33@M6U'[\BH!F6]=3<]|F+G?QOO[B?]23 R S;X}.M'$&KI+'%=W=&7&=%WFEZN97(LU)AG!+"40"^=DDC2V4$=$RHQ53%%I%FI]+((# M=PAU=O5]C'/* &$[XK,?34,,+]OF,.NIZ<3.\,L+"R)PO_^!9,1W8-OXZ_Y_M_AZ?T&O.J[(+7R(1 &^DR #&)S\>0C9E<0=(A[+ &9OP)Z72@07&G^__M'FNS=)_CV&#X#$0'CF&17Y9MF$E>KK>@2M14G-BJXG8S\\ Q0)3"] M"H@RK;%0FB82"L#@JW'.&$4SH@(=KBWPDE%B37Z9.Z\= M!C@I$$EP6VX,2J0#L@!>_E<62<4*552%.P?_LK]NJ4.@=&G*/4H)0& 'U82 M&64LPI$EIIP%G5RNL^23;<.WB.IF[HVKFQE@7KRQAZ<]TC,*>=+4#.% 5^8K_M5/Q6RJ2P0)#0.)..1=B"A9,IT2(,Y9*HU8LMD!YET 4^]MNQ?,C[6/-P=L M5WK3X+8)9:8\..F]'LV?.@Z>VW^]M&FDX:1P#K:E#,( )O0*+E&(@$LV" M(#@9;DLDC2OLU;.=37/R\"(J9Q*E(!3B%*"8)A[^"(R=H+!?8>5X[*8ROVC, MS)>HET.RUIJ ,,=9U$:*C!,&-@HL9\:E\JE(?GHHIG8=[!NUI4 $B"8OLGM> M(Z.# +,"R6J5$EN1MLEC0(#@ %!$(,)%(R1+EH8+D22T88QN+* M\804T:1UC(A*@TF1I-H4C%1/Y> (_SUBVD^XMG0'9-@1'&#HF.@[ZFA*/,D-MHCI)IHA4T1;G&,],DL_1FE$=^F.+5[!Y7W'=VZ,^HC*\OW"6+\L,+],OR,* M40#77

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*M9P).QLN&U|&.Y?;C_N-8P0 >Y%RQW8A&'86OKTL_|^+81;6BP|V*_0'Y2AQ! M?0?82)ZJP?$US*\A1FN"_I6B5 MA[?!2G|#=.AF_CSA_Z*

*I;G/WY__^!F+3E|C/U@%R+\.W773R*UN;\LZ29)V MA=VE6"5{)}RM(.'~2SZM"-,W-;SF1X[W2X[IV-$^BB"+#[^H."7!}^UJQ->'5*

*MZ08?)&]H!1$U0#&"92W"4=T!.&&U9KG""MQ_""L84(DZNK_Y.\A*FLA(96LK-MQ/F"(BRSAI"@XV^"B%A] 2.(";5]NC|UM()$,1L:8"EN >:,QF'!#87^=9Q|*

*MD^LUG3I:06+3+R)XN__602/-P13\W/&B"#(6?+7C@0G)95XQ%;*MK)$-4^\"_7*K]-;T|&_%UFK.3W>6U*VM((9D-M6>Q*/[JZ'(65G?$\N5LP)2TV"*

*M)KCQ9KMG""]f?"L@[TH@5X7:<22:.***6/E805N#=/+AO7_%;G01NF!(} 2L3*F5AS>W]f<" MN'[5[2RM9Z>|4$M7HRY=N:63>8E AK9C;W7_%:L)DJ0A @;_*]E MR|KB)-&P|)_U:!-*

*X;TC M'B&RF>0 @OL-904;:L@/ZNTI:6?%+2LZZAAT#%7-=5[+1F,+2 GCW*=E%GD- M$"P^D@*_Q&MCTP,2DVR.G:T8KOA%XQ6.^GLR-3WL"2P!?*B:!R'/)E _V*

*M56#!>#0Z#ZH<%*@'[@=}.6Y5U-5CND@@#3D)Y8RUQIH> UA!,@A)\!|X;%_=M$)\'XVB$P)]P|5JA=1BVGPSL(+IX"^5.DNI M>5QZA/1=S#!#7]$!6[_AN0_\P%U4.*

*"*=E:L"_-7@$M;"GNJ+333]:L59#;* M,/>XT:PBI+.*[=+6]*9M;04ZAR7'$\< -[^,T:$?ZZ=#/_ 6Q=.^K.36,F&6 M-?"1\DBAIG=D\D]:L6^6U0QA@!63;1-),._[H]K\7KUO@V0'B;2-*

*M50UM%20 M?WQ!8:@-3!=;6+%M;B7E"Y1]O+*Q^2UT7X3?7B."AL@/)U%IX46^)S4ET7WH M>NR>5,0ACC&>>884-2;%15/"N.F;FR='X.V2)"BK7/R]AE:=!{#D5GQRWV|\2**R*

*18$9VM0]'8BM53 !B1D,):F"$1(+"(.ML$)!!NJ^TK>VWW!6L(,:!K5A&Y465DP:ZV5P>HC:? ,(X6O,SI3DRTKM$NKF MEIRN"YYKSLQJH ?DJ?QPR=M:=;G?*

*7)440<"Of%8D=FZH>Z;.5W0Q3|8#"C;/ M>9{B:O<$P'$.I-Q#CP*@%>R;ZCA'5C0+&"|#DEY>Z _4>S@AE*YVA'$WR?_N;/ MSV,&&_?*

*A:Y!YH#6I0CIEK:Q8+9FV)$IX@[LJFVI^MM!S'HVEM"4-VY(S.P%W%-_:R]1K69A2H0TU0{(!-#=/SC)" &96R'^~%E:\5R3<@ZG;U JB M?7\US$'X||Z&D:fLI$5*U&- "/&-,EJU&AFQ?*

*1%8)&V$NF]ME80,BC" MIXCEP?+I-D[=\$L2YUO<_^15@14/OEDJY-1P"DQ\W_R9Y65"EJOS.$GB-Y2H M_"7*EL:EB0O(-L&B^D7L-S&7A=_,$YB)"O!_5N[VD%D;<(9I9R&XL*

*GJ:#P=,W81.PLKJ1)GV/ MV-6CS;>PJF!2L* YH2RJ_\9#C+]#4WPOJ?2&)[-C_PVE=6E]J(@%5(6[VG|8 M)^HVP%/R85(ME455#G/JX:OLM|BF/=,(6[!OZG$%U;1-QJ_02C#&Q<%K^-/3>\?*

*XDC1:)2 M_7<+MN2+FZPYZM"OD,TVLM=|[_]8<0QD^7*"C-MN.6ETL8*L!5;1?2BVBJ5$ M4H>=2+U7[S31D89*0 HD.XGU?(=;&?3.V&.;/S(U7]$#H>XKS*

*M>*.:9PZ!F8933AWP,CN*^+L5V[X6T=*/;1_P!=5?QS%SF.97!F|..+5G"Z# M!'GX0E;()\]65JRFID1H1RR,/@-80?(E>UI8J182>Z_0L!1-K2!#X7[7V&;T M/&" M@4:.*#K7?*

*OOB"%4R|?)IH#XI^>Y4J5L;CRD|&L0!9M\(T?UKCQN">>+G"|U_M"]H9/YM>XCQ-+*O7[ 'ZA<'Y(V50"86(>4H!E8&G/JX:OLM|BF/=,(6[!OZG$%U;1-QJ_02C#&Q<%K^-/3>\?*

*_P@JV<74.7_Q,EVN^Y!US+_895W]_0*L|\DEE'_>=7NB:>*Y.OW74H5C:#E:0U%4UN<-O MQ],,"E_15[S17^2YF7N.904C!+Q:P/O6F-=E#:T@@25WJ;=CI8$=4RYTP"+>*

*M@1DQU"7U^O8U;@9A.!KUNJB*V(AN/;Q8O69:,%/\Y&;4\EHH?U-Q8N)PBQ2))]]+\CF8[\]IG:>8(?,GD56W, M3_P*/-C;)$@!E"W.L3X/=QL8KQ_C5?:&WW2%\MRUHWD2'Y"/-N1")BEIH*

*/( M$+5HAE-IH%+&P@T@3KF%_7HH(<2AL>'&D#*S@O^):o2-W#/_0?E2C:*M MM07Q=E+R5_^3HKD5Y @;"BYQM3VE:&+%M\|&P?HE0_fB%9_D->{Y-I?@ST1^_MIS#XGD-*

*80;:V7]S^E'7J:061-8@3O6%(V=@*4LJ|K5Y,YR9:QHGS%,|+*FEB[29#]}$\0464-_Q_#.:,7Q#IF4 IER7 M;#S>X%;LD4:,T#D6V5XV;O*+VLI?UL?\'JAG\\I5#&DK2|SYCQLW#,_S% PF*

*M"LCL2A,K-I/FO;[5V:.[]+-E4Z4__^[I:AJ4/Z=F\1XV"!_%Q3;KO)XE)DE1Z MUXGC_4W2W@%P6T_O?N1L2>,>?L6(.V2[<#<4W MNR3>MTGW?N.89T"EP'W*D-*?XAL\;;*

*(OV2$K]EM=5_"NNG0Q/Q(MJXN7IX!@<,9WX_Y-(92_DB=HRAJ9GSI$%<$MJC(P57XV M/]U%]M5-?@<%5 M%1#]4];67%N;B7HCO//'VV&>ZR>V9KY[@&!?8[_"'M-*

*MJJGW'<,*PNM5;_0^)E5C\R?N(HQSGR:D@D#?(1!I6UNQ+K4DL@[.L&I+\RMR M%:%DO;N]_!Q4$UD.F::9%6L :"[DN#Z[WB\D#=XE;V)QA*5GI*V3%:2=YP%!*

*MUU;A;HMK)@TR4)'/L"=1'"Y%OHfP.*)5Q(4L)Y=59^:THW/ HY%2%&Y0Z:] MBQ6KUR6'H)O'N-FO3N#_ ^7U)'O9%?A%^(3IL!0[!{^RS#6)=E,1K%'fGQ1M, M(P|__/ZO?_C^}YG[*D?*

*O9O=[0OD#_[\"X/_$^+DB;=)\,D4M$&(]7_]ICZ% MWU06 4$$O8_\WT@6+:ZN%TFSCHM=_Y*@%:4AQ420U4J1||TZ?OV!CP)"!?S+ M}_B7[!Y3_W^1Z@LQ0*

*C5+&B$>ZPZ0^5WV4Z:8%/9 D>43*GRL\S36F/|^@3 M"58H(B7,]?K[S'RB]NNKR+_$=Y]&8=5V,T]244E,,LU22R,3l;S]-E6O[4R3 M99CAC|O-KN9)LDD^?(FZ*$!H !9#>]-KF*

*M|*YA*(K=MC,JC6:_ ZH5!:07 &LRZ]2>W/<;\0)(:K:SSKIA>_C M Y*R?V!%H8P2:DQ8UM;P9' H,=D?C$R6X( L$Q(;@'78MOG6FYN8,M3*6R9/ M\5O4-ENAI8F)WL?X6@__7[*

*5*_ZIYEIM/)>,)2E)*,I5XL\S34E5F4685J/) MK(M+LCI=$GR)94RW9IIN+*^B^4Q39LB5N\|_/)/<=LDT&TUFGAIW'2OT)&FS MF1?53%6T,HYBZ-VZ<'H_>2]!6"2#"A5>97;$!] PL>?*

*%B8^2__K'_Z MW?>_<;9)$,,>2|SF(8A3_%$XBU%%83?6"&(6\H"Y13)_/#WG^,4D;:\,Z1F M360<^?'[<3D"U4T/@Q)*0R;GR^3ZW2E*ZRGGS0\?O)$8;#EW_G"]}ZIF^:\ M^..I\D-*

*NFN9L^?&TV=(PAW.^ ,E4^:*VP'/6_/E462.U^:\N_.6TN5)S,W"N MC"SI'AI7%+X-QT_G:S4V61PIETPB*PWF'#&32R"QHNZCI'.),.5GQM^F2*

*MXBPY<0E8Z0KC_#EQ45C]=>.\.5EQ6./DX[PY<7E8Y5/D[#EQP5CBO^2<.7'A M6.XP9@'/F9 5@=0 #9\TLPB_+_*IG5TV= %94$P/L MA#@,?,#&.'=#-X+ZF @)0 NSIW^MW/29|*

*(YEU-$(%!1F*?]+&8I2|)634EJ* M>MD612H-GM92L0\P?E2>A(-V3,;)BO4555]ZX9MBCY5SMOCMN\^MH7)-==C.87VVR'!9_3)H!W*3%*AJ;1 .ZA5%,;K&>UR6 '#U|H4Y;%%PM./_]Y_<=P5I^XQD*

*6:N(DJL 5&]NJ0U=SHE*.V,3<5I*7J!<.K6I#M7W0T*)E1 MM,TK-P$JDO11?^/DF)S.I1*O .X@4/3J:.\BZ$N?U RQM:U+-VN*+|>]]BZ(4 M\|?*

*K/%7.06NU|[6G)U=KQK6[I9/C.4NZLH:-99^?H,)\PK0=K|5_3DVL1L>TX MH:)MC ;-G-.M>T]3N6%,:"=*6;5:4#>W%'.6'[<3N;L?]QW@^/18U?5.C5N= MGT"=U_$DF-;OZ6OZ.4^$2?*

*N]>|UWY$FPL?U%U+NE3XA)/=0=N>>;\>]+'H^95 MO_>QFX?!U!C77UNL^/-/@EW!&-0ECN DV-9^W!=$)YP0ESK<7!7X!:,//QPU M;[=,\;/"_TZ-D?UTHXXQ(B?!Q'!/0)*

*M[S|>-7/ZW>_2(*]) ^&3;U3/$BM,AQNS4>-AEKZE]:W\ZE2,Y)+SD@UN=7&S*.M:#X.D7$J1{(W\SSAV/[RP;P]W94%"_\Z_>FU%I_EGBS:!"\H"SRU^Z1X%&6M-&*Y)5%&,9OP'BL|*

*(DK_7\Z\'#68)0 M@??>,B%+X9/PBWN4$!!PQ:)U[&P)<13.?)%G+_AB^17YG8AJ=+**F)LTS7L1 MPCI8182Z4F_77C; ,O0\.EUZVD!6QT.CZV$/&=KCHFIMS_3;#TK?@M8'$.HV*

*M_*4^B7#G?2.(N!|_)Q$:-PX3FU?Z8229C.D\?E?&?A(-V3,;)BO4555]ZX9MBCY5SMOCMN\^MH7)-==C.87VVR'!9_3)H!W*3%*AJ;1 .ZA5%,;K&>UR6 '#U|H4Y;%%PM./_]Y_<=P5I^XQD*

*M'D.$Q8NUH:JJVYL$6$7XV@(TA$O,_C^ FF4!L?LHUTO4Q1LH=OBTX@^D)X6%\ M^E5I[S>RS9T42$%I5OE8&QQ<>R=CC.?!MUQF;.&WLKDU!)Rf:>!UG#UM:VS]*

*M/R/(YT#^XA7OX#4K1;1<-82#EC7I/8SU!.O6L-;8!HV?*98/0\2Q3US%*'D- M/)0^QJ':?*OL8 X;#H4A;)S(_^HFOR#A|5-Y0=4=#**B2BV?|=W0H:5VZ&K- MS7<9A'FF=*

*^H6MMV&;!Y=?48]!W%&+E?DCA-[Y-XI017%5N8FR:*,"-#?((7 M_B:( G@RH!]<_MRW]1I=\"(/S'"K&U68;QCN$A2FL!()^2+$IZKAN77N9NZ0V M6S=(]%$!XG5O,?-|&MK|-*

*Q3ZUW'R3'JE MN>L(&$T79/[CM^6Y/W#C!#Y;,|&$XRM'"%90V!2B8E\Q>42K8EIFB;9B.> M+%O0<_SDJ-]256MS&QEEK9=%M8T=QNX6XV8UGW2<2#==#8(%C$V'IQD5\&K-*

*,4QK.3X-.^UC>1?ST-6B?!UQXO MALY(=A(!6[V>|9TUIB2XU>M-Z&?^.PG^#7D9"N/B27!JPK=!;=\\"<[V>!T] M%M-)0E!M2XOM1!RT6FI/(FIW'SVAW7@\!>M"B[C6XQ1]JN1)1#?*

*W.I,=S?@G MP;B]I+4.SH*38-X^!U2T+YX$1E"OHREQ?IP$D_8ZAAJWRTDPK 86G; MW+21NTNT'?QR I M_\I3BO_[%"OF2"Z.9S=%/KSD",MXT.@!X?(P >U'?AM*

*M2=P+/Z=4[2KP@[4N|9AS;2*+.+-NH\&3G47Q4QPEZMU3)F8VZ>}B.,[.OE7UM(XUNH@U]W<'1.?1/S_ SDJ-]256MS&QEEK9=%M8T=QNX6XV8UGW2<2#==#8(%C$V'IQD5\&K-*

*M<36?!(,ZW$[]6_^T.*2]F>0QV,>=PI]'GM(>G7 2G.M\+;7&/YP$LWH(4,(1-M/2W6:.^FZ2-/ILAMM1_K?.Q586FG$0.L'Y33A(G.VIRI[TY83VLI_U#:TXB MVW.0!ULC=$ZK^):6A?*

*O%^9Q6':X^#.P1+S1?12[KF3@\YFC4%-$C?5GZ1"Q- MDC!JH:@XS?Z4LO+#_#(L8HKS<1Q5\4C/N"[LBC/PE-6:(2%PST@:,B$'5T."LWD9<@-T67B/Y3V O,@-]>4+SK !81N?"\ M.,??V*

*/R4/"]@=WHU-4@+ 3 DVLP"H0&YN%-A+>C95-IN/@GY .GO>2K=Q.] MHG2,5'1W+DC[>ZX0]7#DGF"!*SQA9KM[D,WRA:1#_(ZJAFD7ABG>_/]3WW/#1W6'#*

*($@*XN5_AI(147EL\T=N@FNGKW?MQHC:[C M!"-;T&6O WO:LXJQ7O;*KT_0>Q M2!&&"S;"'PJ4:>#Z/K;M0HE,/U@IL*#J-$KAP5>O4*65%2(,_X$ORK1+52M MQ[:->7C?*

*PHVY7/$O+].>1[SW&,,51UJN2(=#UZ6'11?5?8*V>*.<.]<*KW(2 M^4&,"1P$^6,3R\.QZOPAN M5BGH;>>^AWF9%3<&7]EMG+KAER3.M[@'63E290SY99&Q*:ZROE.PZR*KR2(#*

*MQ!ASA'6H("JEJKW?R ?Y 4O .SH\E8[0\CD,UF1C7,=)WI,]9+B/XS[%//[Y MHTT'@HO@DT/LIXN\C2+-RAILXCW'67D,/\UQ:HZ\3,.,9OB&*#T=K'N*F*

*MB0M/<34%#4XMQ#^>U[/)6^P(O8<,&{)4'9!4\9$T7YC>W4WJD:]!2[.6RSA_ MSE9YR"5ZM0JJF(03GU;F)]JF:54TS3PYR!(B3C(E^^Q8OJQ7)31;?.5JP1 MJ!D4^-?*

*$_Q.:*/)WXHZ_=W__Y6&)9*'Q1, ME@>?=+ L*3K.?# 7O-Y[7=*,.;PX//\V60|GPS;C.B22)K!H3@'-ME<"W3|]4:>#T?F#3]^)7_S01<1MVRS\;E9'V)L+OG\M8A4,N,Y].8@=VR:+Z*

*M@+;_@+8?[T1VR+.JG,@>B4LG5{.)3H*U^^5)*V1N6@O;+T:&;#::[?D|C$XVB)?=+V M)F%KC&+;36P=)-77L@-/8A].(=4K$0=/@I,?Q<-,2^U[)]]>!,^'B?7-T %)*

*M7NR)B%*#I'@MOT^B2M?84GRWC.9166OOWAQ'O.^S1">Q9Z<1EH:FIY\$ZS_] M'1HW@NIQ TZ"U2-)3^VX!2?!S6X2U-R0").4H[3-3C)5!%:1S'(213W'$;/Z M8#:/TU0DM[*HV-*

*@7=_M" MRDE4>I|%LFI'=3D)7H_K;>L/"S.]DP_]ENX<%*X=MRE0/>[6OOC 9T$,.^>2 M?_4H12?!ZG&N5"U*TJA//1,<[B_D['SN*L$S^; ZXB+=1),'_\NJ^)QCR^"N?*

*9N#]0PQOE1RV8?Z?;M E1V$NR<1;'MC[7&>#],;7-[+Y'QV!+I%OQ/M 8N$\X;:*S CS0>QG0'^?D.*]S MT!R;3:Q!SM7C=N2.$>(O% F1<_K8K=8C\+H_)B-G[K$;M\:Y'/]@0'+.CFMR*

*MD<;E_9 ?-]B*Q0-2+,2WQF!%1Z3;Z;(^VX=O_X>>3|]|$V48GJ3l\0%!],B M22! EIS]@DM!!J/4/,RMJB|PQ%F_&0/%4YPD!?#T_!*W$_\/L(W=1*Y> M$#|NJO%W9;.Q:,*

*('G)GY\\1#[2;#.T;_2V6B;CEUI [:?__"/_"^)!N3 MD;0:>1Z/&7!%T4!BJIR)O./)L2$K-99 @#_=(E\G5._)R?*:Q"+_* M//PZ[^:??M>LH$+;RM[]Q9!M6?>$(;!K/--W%&]|TWR(_"?2K1\RXA-*

*[%FSIL ML+[MV*.73$#&M ,8%M+8]5 M818X>4:UO*"%5C\NH\+#XY'V12_T\XG9-*(*"9]T41*O4?B=%V]^SV68WV?N M>QS%FQV=P@/^KW^6\2&7*/628$MS|]*

*|S%,SK8"TZ=|,@!0-<^E2.6 MR=|-6%+911RE<1CX=!=&ODA5D3JMAD4D3L,8P42[<<<|ZJB_#L_9 =9]E1-X=HJ=!"M?,!;]_;1Z=#=41R:.,,Q4OB6_H>< +\}3*K@<*

*MQOW2G'_+I:'l8.PFT*Y'V^GOV-F.$|^^7)48|8Y\..&C^P *78[ <<3=':GH MJSBPXRLA1Z2FY2QW|6VP,]!V@FU'NW-W.PYWS\6LQI9T9=0)G?4*#/,AG6H^ M)9T.*NVTW4|#-*

*.4;TRJ[<1]N]AQ2CLL3C5M5,>$$SJ-RG)#1.#)(1U/)24M MA[2]G\D:J?*I=3^ZO8:PXRAW7LA:B%7):E S9#0H<; MMBG"NA[&SG$--8W/K8(BT_U(ISN:).:>[?4DKN7#*

*|LNZ$CA6,^+PE<#%1A> MI?TP#CK'9>LD5BL:CQTH(N.]ZFQVZ6'1*-56@ .TE-_4L>K1 &L B0=T@E3 M4=%|C&KI9M *)9]9|X>TSPAV'-ZNBU@U0O7@TS$?*

*ZY)@+|4=I7N4>S6T>SQZL1U,2&C"RM.XRC1Q-U#>@A-BHHC3[fM@5.U MMN.Q;Y=$6ZD^YC-6DT(A?2Z@R=8";X@H)%K%!U>;(.&D,[!LM\8QDYKIVFV*

*M'>*>@|AQMO=;Y&K)^GZL. ^.;H"28P(\ 0^K O7\XK#N T:$_Y+5&QD[Q+4i3 MA*H0,*WQ2RV=[#BE\F40CV$;[.=Q[$C2>@.'[?-AG,F2')*+7Y#!U!>2N4\ MYYZ!4)[AWR8?*

*#QO4G!S====[GXKQ;Y>V!H|Q*XRS42KR^U\IN' ,U4Y2S%P]7 MCPLOPUS /X=/[CO%V08"#^FZ(5EH4B==6_Y#>T=CUX9Z,FU70Y>>=AS_[@LG M'O%.G#GF8UP27$$C0$<4N/W*

*A(4K-XFPO%=,O^7,*IL;.ZGU&;6=3W5[.TVE MVX*(9U%#^S&?P$:<,9Q|_'X>FH&LF'B/,&-U#X-QQHU)M<<9:]K8<0X[+$ZM M/(V&"2=T&A_1&H1ZH1;'81U*-*

*O\'M(5RDM&ZY40]FYO+QJO-J/N\[-+3CL/9 MMDB5++PN_#CF RHHY2"[7^0)L);4>M5IVQO MR2/7LB#5!O . Q_O M_PY34|8U!{=#]W!M05MHZ=G9&''24KP-KM(LP!HCJF.<*AJ-*

*G@4BEO34ESL$7T M'0R&/D4> @@"XG<+TE]H1@?\!FS>N/-/0$5/Y91T%Q8f?N!/9^YN23$(U\ M-_'ODJC/O>QG%Y"X^0VCDE&T??[!:=$5N-DG^),HU*

*MJ^18F\)P&D5MNU_]/92748NI'C;K]E>-9JRD:MQ,W@K'^D2 >P[+-'[D4*QX M]=SU.H':.2[P29,5JI#MD^OB8MEDV&=QL9[C]>], 3H?N,9,?U-@!]MN/. M. D;QP*

*V]K4+Y5.'&'\T!#3?0WP>C@33]|%07X>HN6]F!X+O.ET07;N;L=Q M|HGUVYTY)Q03H[9$=,M)D]-PG;$OA@[]Y"!WM^:. MVAM>*

*<=#RGX2O8"S6=MB)Q^PFZ(!9>8A7_\$#5Q;;2M$/W?UH.XSDAW'>3^(-MRU8N';/PUH9[>8CG@/\4J]77>%'/IXA]EO3)--@400D(A3+ M"_<(;WQ*8W>E;NSOV7"\C*

*^8.>$*G<;-)<7@.\2+Z"!^(2M7)L;9,AX6'"\ M#,(<Y.>]]%^HUE _@)K$CY,C+M$]D#L0+K%%?O7ICC#49CDS;;/&/GN"^ MX00?LN-V[8-\N/=F.PG5=C].CK=OCUG?;86[.\3'Y_!!*

*[XI=7)^;L#+G,_9C MJRNVWVAVG/Y>X'C[\NV8I(<|1UE[%*&)/>3/64//(\$ON4L2]1,K!)$Y0+#WU\#WW.UU M$++F1%[BAE*#!POE%ZL"'&^P[=^X&_ZO*

*]LMXXP:1Z@YL[SCR6MQ6Y4[$TU-V7-QF5EFF0" M&_`_*EF(_|<_`^!*D,ZO-NNLT_KJO@>;;?*.<6/5W8YOO"8^-A??R8EV\!RH(*

*M+7G;^1=;,L7[;U84F|8>8DG#D8_O%Q2A!+\@,>Z0_BT.?=":Y;D-/?9);>AA% MY12]H9OLA%=%LTW5[4=FL42$P\(8NLG0ICZW]O9C RKFL&B8>,Z,H(&,IVYG*

*M+@]3"$G7KD>|:MH3)&U]$G N#E_Q@:E.2RO?ZOM8<8>)4O;Y3OQ%<_YZ#& . M#Z7][7(62\1_05W\?>,,/5GLD^06(D8G?RR/ !]%UX-WC/0[:>WI]>Z%^;-NZC*W,UB+!-7J]*

*MO.7(\Z%.Q^5]20PC3_%]GG@O;BK=A,JV(|_I"24,T&:TE[>NI24.I.8H2!J. MS<2W^.DESE,W\O%U]_2&/|/#?^N^__H-8! ^4_ <*[A=;3.VO0/0!8B+OX_L MT:NK2>82R+HD?*

*@U\Y)_OON&YWD1%-4"""O2OQ+ ^DYGS7 MD%QKP_+7E&UNDHSJ;&EG|E(0JS-+%>UO43M'.=QDL1OL-/<+1>2XE4Z'\]AK^M**$IGN8Y=*=OU&A[O2OU9(>40\K/B/83\%!S/-*

*VF:8SF;)=BHCI6Z@U6K M=0- B]0SA(7'SST6J=[3*K*NWK=!LA=9|9[6P9K#M#1N$F47ZPC!K^IY'/_R MDQOF?0F]=+6.,/(W$.I[4E7VL^HLE;DIUPAA[0DP;=VU:LGZC&"#*

*(Q),*EBH M8R"]R$-8\/&7D; L[3[)#F,8+/2 )P@O$/(O<_!/4OV71$FE=^B-_*2T?7?K M/+8V+WT|[Y/@%=]C|Z%+P3/OP.6*]Q,X\WDK$G8L5?H'#FG.+(7U#L@(P_|MR)E7O.G K(?*

*UD239X071W9[=^N5"[U tTFRTN12[CXC&$QTRB'(B%|VRSQ+ M 8H9],$-H+VJ+LBV;l;8?7@2DD;>T'2P(_ILS\BA(K%R4-#.243W=@=9I"TS"7ZU1>>494]D\)3)'S2)%]*

*UP1!(!<|2LZ!1.(X;.|K[HHF!?:.'GI%$] M2-M5=M>Q*BX8|[">D|BC+7& |5+1!0]=T?-M)'S:"> M 6!];E&>'C6O!JC)K5%@)U'^LK.^K H).FHN|93>&U)%R1\VHKA*9-G)O"@!9 M(% ,N-*

*URM-}["=U|&2E*I+R$N-U>+|{6BFU\P?>,|3S[*L8|[K7%3&D4S (-MK\15; >++>MWHG:-;CW]7[?>//|'.1^"A#3?:OH>R<^SQ|!7'_TH9%T$I/N0_*

*M'<$>E+VU4Q1I/B|UB$$_*BKM.^QMVKNHBG8<[#;Z;97^/U1U|,?<&LI7+A3 ML.N@=&UNS_X&QZ$\}.7Z6C7&}3]+&+HDOC%M_^>!6KPP; MQK,_?*

*K"M5P8/MR<>IZ-H+[[I4X0PXI3 CL]PZJI2)QQ1VP%&HMQ0JH3Y[JH MNOAA%YX&(+K6PF2% M=Q#=F4 :I+ ^<[\Y1Y+ULW$2')MO:S2*"^+STP*EMW68%='Z"@[9"+_37P*

*M@NU3?(7O&05N|3XCV+.UP"G6;U<)/AKTA3;3,VNG;^ MP0+4,KG2ZAUJF.T>W>V1"AWC MIS-_SE9YR":J?*

*+YT78P1(M'.|K"'7K'1;4]9..MZ*5J.7BRUKY6]V.ISRZSA/H0BL'G.Y#T M.J&3*|N-/--EA+C@IVY7L|&\4E@0Z:6PRN\&2YO &?6@V+|;ONAQF^5MQ|Z% M+RC9N.&YFR2!;GFE[4S?*

*VRGUZH)4HJ_C]&H^]IU-#N(-D3F"5Z0_R.K&8QM( MV;%<:"RDM2,F%O;-3?P6H:[.QMR#PJIUX^,9;[8H2IE+ID35.M^5;5BB!9E[ M24#D=S*@3_(IBPXO?F,[GUQH._I+3!-*

*'R7_CE]C;.]56::)C?-Y^C,\G$P'' M,W=#K)D@GT2)4$0 C4<>W0)8B6^M;%.![XO%;2\4[?79^)*B 65E/I$6DT&ELH8CO_3W&S-&("%FOS MQ1\UT_2N?+|1-'[T8SV$.A[\);VQ=MT?*

*_6YIC:D0<9@:|0-'SYX/W'D+T-.M M84.OF(9^NDTU3X%>+6:Y3V,U1 Q\'WT^TDP3']SQV=:E>-,SIJ5@P1UfL;A(;(GVX8*H(.M&9N";19*I'[A2AZ]=M2'?Q-'N;D4<(4+[]$ML*

*MS'59=@P+Y[S^N"Z5"DLU$NH-^?0&V,_!M)8]5M,+3Z 4S,!-UB6-XX.+ M&D%0$6A]_/5/1A ()\VX^5B!EKNR);,P^^00V+"#E?OVY/DNKSK5>|WF*PUD M'!N81>8*

*3CR'Z4Y%G&X=/G"YN^< "%;DE#("L.P1KR.R4R6RF*KIK.@PK*KE M.GE$R6O@J3#QI,U.3!1[ [ YI$H<2W7;8X&B^H"}G(|CD\%$=KY"&N^^M AJY M'8R#UY*V?X\2$F&.]-*

*M$0WRQ/H@?ND*(*5J.!(%I M;.JB+DKUOE&#&_0'U4^*,64#|27CX2 M@S\2@UOO7*FQJI/X>=3'ZSD2L?1, ^@C MT6F_.UJF?)TBA^2F?RTGCS]VN*>$K%"=CYI%?<[:OIKZ?*

*RTWY54^,%82|S5 M7:\3A:Q+]SPP>TAO7^'S;.$RA=S+0AI#CRP\MS.EZ>'H8\ M84OCS5AL6YE+LE,76?="$=PAGD3%SE6WG7?*-/Q>G(1R^ZK;?GA%QEN111JX*

*M2G>$*.M1[3QZG<[IK?F2V"U:(.K=R_,2:7P-$7X_TG|WV_#24=Z>A<;BGR MOEO\K(G\4'}CJX ^0[E\]D?_GFQI.U.^,%Z^.TW 9%7>1)OU8$/E9|GG=@M/KS_?WM?*

*VAPY,B3Z5U[XN^T=>[U>;SR_")V]6JN[M))Z)OS)09&H$MTLL@8D MU5W^]0_@4<4#)PD2";(B=LXQ!%@CKZPN'L,@/ MA@GK(28:1>R5R@B?*

*KEC#P.BX%R_9Q4LVQLJO(KC7Y"20DQ>-*R4=X80DOF2^M;"2-*BL:>DT]4DUE0U%HT57=6EG8,Z0#0R@=)WD1AC-8RT:3,*

*MJYJZXN(OHGZS5NAQTKU9ZHQ_T6C3D@K:QH<+7F]\L&P?BZZ?HLV?]9$+|[#S^]L++U&5D.\\-|69Q@F%T"+VWVL&QB=;.MSL@Y\7>+*+|=A,#&U.7Z=FURTW_|*

*<3&A9)S]/&%T*$NZG(#F;XD_&&3@["5Y M\^*6UNP;H2YG*@=A3X.\ R)+!2^9AS,(*#3HPU@FC1F/[3_3XZ+Q=LEZ!)&3 MM$S_T&#&KZ45+1[%>HR?*

*IY@=M&D434EE3=UR\9-2GPP@>!+?"G%WL4! M!!0:C4Y=K@M3'44"V\);DWK;KN'FA7&8$1!2_.^V'89:GMTQ_!D)]&-KG]*

*M[1_/8$HLUZ(9UNR%ITT]>|_>X1^R#U.OZ",!K04I0MXR5<*$^T#]4N"OSW$ MY+J2&ZH'E6"F?;#NPSA,R3WZE'2!'EB"F?;!*KK+B?=/A|"0,A3N?U.V4+EG MB];'Q^)-=)57H3L-*

*19R(6:Q'"QB*N&:52[.R;))Y$3P[8D&;>*RB65&1%O: MDNQ 15>"B%-<%7>0BS(<%YB>3;KS'BE,M/:<I-D#EI$N)|KGJ.0_'MV&0EV]>CR&:K:SVR;,R$!Q;=&C.X4&>F-*

*;#.&CI_F<!;. -!H7 M$N6.O%+L "FE*2 (4&*(D,^S!M*5[^2[/!+5QVX1D1|L&IN@RWO =*9:,Q8-;[(2=Z[IEQT]H(V^P!T47Y8B,* MLR"C_Q:E/@X?Q)/;C*\+[.ZJ^I2%YR^_B?(_*?*

*N###TEQ?6LH>D1>BMZ3*C8 M'W#R43:E%EXTT0P8IA%U!;C5 5]B82|:CCFH,;/"4;'N'@X#U%REVJ14(U>! M0%W-4PF+3>2O HL:9HE.|(M *UXWYD3N G6B73<.A1*%.;??*

*]"OP+R62X|(< M.@0T#^H@M6R_Z)\78TVM;D:.^"UVKSKIQ-4PO:GJ2S?K:F9YDQRZC#M)7$; P M*0*+8'K1MRP:]LT/2XZIGD@X2G,0M>-O+'$IVIXG2*@/'(!P6*V*+3;KB@(*

*M7R2=U*EZ7O00%VU%2^WK$M$%($^K]1)SMM\: L^+= GTN03Z& +PTC"+/?82 M3K7P<*]Z5TV:'7 )#OVW!BF1__K'\T.7:*]_VLONV1^\$%-T;++;2;Of##]0 M4!;C?$VN:ESLT]*

*[=DW&Q9HJ M^"]' BN^5.3H<'[<@D$X%]:GD%G12[I*]_'.0KN?AQ0G#9KQ75^<-$S78'0 M2DMUDV,L]R|(YUFS0=[M#U%R1.@9%9';.2UR0)+/LP;2)GM'F(MR#CR223:3 MZ;?@T*

*+|`F-5OD)-OJI I*M0B /%*=8&-4DG68O!(EV5?DU M)S1S]U%95P0'PAL-.?O"@^"/MQBK^)8|%'I?$5KJ[<40<(>;[N&(_(3F$!8, M@^ADST33*L2!Q(N+*MY^3AGQU0XCQ"V@,F8E:P?*

*RLX=#:N!X)IL4'@5CH,50 MK'!?;$081M8==:E2>*'E2:(SY"BF//1;6.RX)>|?/ ?)^?/;R@IO>DDNN|(*T M)M@+B6UA5EV21RP$Y'454 =C()!-MI)>FUSZVDL5P9$L 8I9UNZ_*

*M0OLB(DR\>RH:@WQ?X20$ZTP/K+@=R98!,WC^,GI=,43 =3ZP/K+ )M)/MJF-'IWR-$SL.G\LR=SK.HMY5%*3UGL7^)>)9B/+\ /]]>SR,.T\VJ- MZN9JG^+|*

*{&330!%CA679&S=H"1C>&=:6>8D03)VW9>]>A2M08B50!5GS+=*K-M0)7,G'WNYS{0P+P*+/)MT.UPNX[1=]&XN=01[J/B4D=8R0LH8-"K0I38A,U MELBX/ 7&*

*.95B$S3351)+,&KH"^>";F))];3M@KDB,W5,JE{#9EYRK9Q&;)6 MD&BL&Y%TEKO5[/NK0)Z:$LQ^_1:-H$O5[.&RTQ@_RFHQR67O7-/!*E#%=TOQ MI?*

*2FS:6.G/[=,MF4(;U&YCE;15JL22D-/9#P'-=KB+=4XO2!(=] M^K"DP=-$ON/Y$F2!X8]+97W#Q6IQI,W-%-WW%4+_M#J$*O;261]BI)36CY*H MT:P$ZF[5QC3)ZOH!7(5!U\(3.>_-$$6IC[HKF(ZMCT_'"*E MG$7F0(M9)DSRZMW57[*)9)K-$O@?"&>T(P]56WB1^)U1]C+=/%\3YR5+_&_4 MNK;9-K ISC>63[29,OI!R.,I\GS^;9 ,MG'UL_;+4'45G+2"1^DXFC("I-?*

*#Z/7E]3_*4B.!$_M<[3CYV)'KL/AO28;8DL6 !2R^>OM]$A>O@:3;2W>]M*3-WU'GSW\#6@[1915SZ] IA&,-KROYX0LFGW^A//!*_@0P&_4)))RDWL5\|P*

*MPS!"_Y;X[^0# _T1^]I)$>4'@CY'/1ZUX@LV"]-0>GCYY1ZIN2:NAL@9/@-K; M,,7Y{2-"TBORW^,D2G8ADB-8-LT\OZGP$09LS'&'&>_,1Q6AE!!5H0?=$6[B*

*M452<_Z$0Y^Z;U_>/8QN41FHR-KMT*7L0F0 $O,0G)2\IY.L3PN8DZ_&?GCP M(O:FI,,,[_,A#K/0B\Y8H3$2FVU7MV9M5G6JQ3>DT3&$^VHTO\!PW UTQIQS M-A^D$6'M.OZ4CH=Q]KNBI7DOJG(/3IIR4S'PBK@2\DOT2JWSC,`KP-98_P' MBO'(R\;@AX'=0%=+7%D%/B^]G$U3(M^CTBX[TG]A MUHPVIA=[^0~L(H-83X67>]G6@3-3;JG.U5X%9A7D8:8OYNY;\HW]ZRB?(+B%95& MDJP.6:JZ5+^T914E$XQ=4"4+WBI0]DU[@\.95E%JP1B%VJ*E:.9<0;,RYCSCE26>8C_%L;!T\/?Z"F)2Q_P M)UP*4C2*

*$N1KO&28W()=Z!-E)Z.DGPHS8&53+OGSZ\R?YW=%ZB">,=#>>5:6- MK%"P(9B,P[U[=A_&'I&\XAW=W$NRQ:=?'@A3__'RW3LT6SJO;_&H->?O8<_M M9=O\=3U-=KOWJB=%]=.46(.GVQ5E7"<%@=G<467&_'3&2#MN_[;B"@]*M,C) ML!>/G7A/K+)!@H$@WB?!V?:&691GBE2=\ .=Q93G,!41IG_*_$ (210T*=5+ MA%,NY1665IG'N-(K.*

*/F4&L,;W8;N(^2! M%2]YH(#K7/(76%EK&Z=1+D52W MZ+R5RIOW#M2^6MWX&0Y$,,YD3!0K=ER2X YNT!E-HBQK---1XN^]$/_L13DZNS0$|92D,Z>U41#6VS-*

*+Y<'E308(W"M1'-1$ MW/XLB^"43MO2$(WH[4[_(#XK9(^V5^,LY N%OW6SK1LU4|f!\A-$^S/<<<0.3S M@!#8U|BK65^]0R428\T# E*3^HNB)YU*'H+&-[]*

*MEYPJZD68!VUO=>L=F4R&-0P(GS]KB8TVO8HZ%FLF.+!J8M!YN_BSH8.WV784 M>SH2[9&:(#]@6=/LH%+,B^]OM@6?Y1Z>R@P8\9WBD+Y6WHH@?FX5A2<&5%20 MQL"M*

*G&76G4CD,>/26ME?8X=1 M^%B,9@+(ELT)CG(1'5'WDY$V*)1H1:%ULEMXD>&+1!7 MS."R5AOG59",AE MU\A34X.[@8Y3H-B"ZY:IM.UPGW3&+]*JQ3%N6AH1%%L97A^"^&Z!*

*MT0D!BZYMJ*L!B^Q[ZT/4(%,6X6++K$^H1E<=G]7Z,"(D(*6,ET67$]3C3@.Z M6!A%&P1+RSB/>2=/:=$%%]5H2X;/]:%(2$R2Q+)%EZ#4Q!9/SIRA|B1HY.BF*

*MU=7VJHLE1C%CKT;8,BU\0Q#&R0FL$76QS2AG'|8H6[OE02.fL4,916W6SYZL M<;=VC7%0(?"?5]0SBH16Y<+S/UVD_!$-)'ZZ2/T&6L+!=%$/U#)R:[_:VM6" M(;G!->[6KB'P,Y-K#%U4 XU4Z!H%^5 ,2\1MQ%13"5PEUCU*CB *A-I^[ M($D6K]$U@8 M^?.2[!?>_C85Z5V11L?%#,_QNB)=CHN;@>^!'T7C3OVB8QK<.?\I@1*Z[O3%,TH M<@M E.*

*AFR08,*&IB)!4CB+JZM)O)Q@GWPE;YK?"X_\& M4JT.3B=`^BN"Z.3B=J= KA&VB,M3[G_$ MG @4* W6RYEJKRM8&%,O'V$+87;O^6%$Y*F>;/;C[0@OG@_*E*HI7/MN$T]UX*

*M!_)+=M2 C+N$/2M/;W]"XF,.G>C-/R%,^O9W1H*0 >,H=\E!X'V(T^5OR,-7 M6R+XOKZCRA5_RVMUICK+*KL\ZS(@<2W1F0:5 M[,,7,)LQT'B?C@]RC@EU2"KHM8+1AO?*

*U.0S(NZGV2G#'&MZ35!WB-QO5GS^O M\C)+<_A)&"U--PLSRHSND;RI@,X*MI5VRJM4U/\&,/,$G\2!MJ"A,LUTUX\D M^N!OJ/&KX>_67)#_[*$75]"=<<<0O\8?7B2ZQ^>?*

*MY[Y(3U$N$(QTHN.O&E1^-V/D#YC_+ HT7!KEUSGCJC-,8QDIIVGM.CV[#Q7 M:3-R]K#"R/*9F0FI>F^ TI>^QKGA+/5>QLOO:FM!^3Y.B8AGC)V1G1Q9*TQ M+7MY"|/*

*NTF(&NC%V6/X;QX&%)6FPCD8.J-Z79<8\V;| &H-X^B|BNN3D#"*NJR M&^]UM0[<#2!!OG!46.D4!9>]B&(8E-+/6D$"2|<<=2ZI_%&7M,94DKM]^X<*|*

*M*C[^WN/65;"73F*0>FU!PHM.E-*)B%2B#0;]I*D%+<@XUH2|B"1F !TV8,X M?6,D4 @"V(4,$G[1OB4B6*9KK5?8-TX]&ZD(X)/$ MAC#;;;F#MYM.+*

*|)EARMH(*>M44SA0X9CUGTF__A'LT=T'6*0DNMTD\094350 M|(:WC/@C>D]0HOF6/]AV5-]XA)-)R^"]4;(T:8:ANT^RS7&:<<,A$ M?3Z<)QMCRDWHOXH;9DCGF::P*_D)%O>'G)+*

*(Z37C7P7Q!'LTQ:=X9>^]&UAW$H:W#0&V=X+T_>D>@#TOO"'Z%/A TY54AF'$14SU.S1%.!TYZ MP#7C$G1L$$\P_CHBO#L^Q$%.S^;N,W\+YQ]-<\[FRY)FZ3.*.M"J-8\K_1*

*5!%Z_+9GLB<";+U%_%=*^0XADA3.Q_DI"&B7Z@*#D4[TG!Q:M!-MH7<+^H5H+F&Z8GLB%=]#<$XEK M0(`$"XG$BU6$)P^Z77V3\"4V>;6QR5IOQ\D M^N!QJ/&KX>;_67)#_[*$75]"=<<<0O\8?7B2ZQ^>?*

*BJ*E2L,^/LKSS@?)TTVSCW<,[HAKX"]D^,=^'F)[P9QM,M;DV<"=V]I$I&M$+D"D=M%##M\+,=W?9GOW:QX>N$S%]#>,]RKE^Y1[ M$=WD!F3;Y&@RX]PO.&]/:-*

*P_Y,C%)5I[3X*/U!PCY.]^6.:ZE/&3\LX?8*" M;_PQZ-+SQ%^T'E'59ZC">#;1-&L 4?2G66FR):085]IV5]164KF- Y%\GM4S MRIC(%MI1I--*

*LVCWCP,/]$ZT"W,]^:,@9)#M> ^3XFMZ/3*\V"E+6=T7M7A\;1>M73@]-M5M^Y1LD)UBX|VW(U+14_@YS8IRA.=7?8HJ?9MINM55)'W9&U;"2]!*HQ8&^*

*M=VR=^.)Y"4^W5N*N6P76!KGZSAB42]ZK0"(S'*-5++/OC%PT8K35&KYLO^A, MB'%2A\RSO-3\B%%B!LN)O6@:&_X^2ISLZ\":D+7S'/V+1LUPFY58]UQ],>1Q*

*M3+X1N[`H&MN#F/K@.)-%HW(XQ]<.=5DT'@=)L?T:F8LK"#R.H?&"D19=9'HX M=|./E5HU(GMW4@/SB\{6"=IF]%NBT,3*-U2/>+N@D.V*&<\|F_.`&.W4"T,*

*MR5IT>>KA2)LL]G'1A9K'$*D1M"ZSC+---,E;B'LNL!#U0I '@"[Z(O0HV"D$ MFTY2*GH9V)/'M=:(6Z M>7FW#0-WV^Q3F(2NR"*1EZ9$\43!AOPM)B]U&% ST;47T5IG+^\(9:F+1>2=*

*M3T1OAQ@5YT781)0'5+?=9.\(5[7"BJ:T[/(3FDO,#L&8K4^SYV;,(+D^_5VP M-BN?9#]'G5:Y:SJOU/:I,@V&_VED;)GNU5ET1-5<..T@/2GQPOC*C-AL*

*/5*|@>+PQ8NHF:7X[S?/_P:E1.3X[$I&&$P)9\,A(N]] M(]JQ^/)VEQJ%L]-B3VU5HL?'T97@>+5[#@A[E!$67[5[<0CQ\>_(8Y?RX8VU-MB.*"H8DUM,Z@>4FU;$G-*

*)!76[!;PV#Y9^B9R<,D8'&333]ZQD!"4-GX;#&3S MOZ!P!TZDKBQJZ: >;AHE4?(#'JI_*8&EL Q.@*F(0OT3M)QU<9X","L9>S5 M12 RUDG*

*>L5>G!+N0UCY%Y1=)\|FWG[THY]9!4)D*#K!;@G5-@(HIAE^T(@%M MT\ECZ+T5;4'KB_\ER?Z.}}GJSV.S+H.@]:Q+&QT=DQ_T=DAY0)$FZS\|SRV*

*M,G2U;8 R&7G174JC $T=]NZ*=N#3.D*#"]LCYE9_7C:%-H>8+@'3T8X;#&L3 MH]=PCVB;Y8I&6.C76\"T1)}G*76 D7.OFM%LW]PYS%%]\U<8T:*T$7RRK2"M81<9^5 MX%B)_RI3X*

*{=6C+.W#9R+1H5 UB2R,AVP94*KLZVO44GA!K#EXHY<=%I?%-A MDFFG7'2RU0A,JAE ^%YY!-0^:2COKHE.HA@K^PVR_B\Z.&D& @VW*B\Z+,D2;*

*MVL;L16<]38Q418)=:%;&&;0LL0O._UI* UJN@N6G08UV&0G]%HL.]-I AFQ MX299=+]30FSK*<_ILY?E!/H0I9LM6T2D <5%I.I:?8MZM1T&-592H2O}E"8+ M0KB;*

*[3TY8B|BO"0:6! V$FYS|(70UNMW%'V@ST1:>1<'C0Y8#CP"Z#&]?D|& MPEVOX@:XY)OB;'6==9P ^3I)1]WNY(CVPLG(]Z^VY$WDP#)B(?#'-_+8@ +X ME4BBI:D7!7<_?*

*#)4W$%MT%I 8G%/&U4*N3V/AB(T]SF[APD<*_&%&T$A4UQ9 MB8/3% )/XLY*)U&\5;*32MQ;)K$7"FRK,2/R4/<&&EO"B>F0ZC3EQDG[5XR*

*M\ZW=11A?!C7JL(2;]R_'U>@EX=K GE15P#%?DZ2TGFITT. M^T6C.I])9Y!A[9|6^\R.#5&-] D_BK:+5%Q>R6!|:13OY);U*>3'Z>!Y2*

*M<>BK[QX.>EZ;I[%^(7=0\|FX!SI)UL+GVH^D5^PDEJ'$N"+!V:O_Y*&<5F M^T">HH\PR+V(4Z""/<[N5G(}L_>BH0'%Y'MX>$WNR+W,CDQV,F0%:P1<\SS& M83'"'6-*

*LHX87)'IT:,SW2C] +P-^W: 8T,(3ODGB./=[GOZ,@IV0NY4TICSF) MRNF86|\:BL[R%8T1.F^]:HY25(PJ-O[6V+C, ^SIR46O(J-KI7,7!5; /XY#N*

*MAPHW=$\|H".SB0'IS#4ML7Y+X;G^(DB-"MR%&/FT#Q!?9!*--EV\3@T6/V3 M6]F:5$1AP7.UVN- C|[T0LRI<3/01.]?CF2A01*%)S3>;&>F MB0FCG[*&]/*](A\0B#3M,7#/E/L>GP&*

*( R6= M?))/64,<#1M.XL+64I61+/:>TAN,:6>+!-_G&7G9'](TI\&+'*SHKV.3K64X M](E@4FSW:QOFZ?/+5QE#$\R'\DY]R>EV*NDTI9A&P08WCH!SB'-]U;PT]+|$*

*MD2V*MQ?'4AD6A!*1: 9<]]6&^ZL/+XRH?D&07EA73#]/LL\9/N"OL5=W<&1; M@[F%OA5GPG %L)^=#R*>RDB5X/]YK5M]>RNZ^C].8XN%7 MDL&F0*_3KY"2*V3I6*

*.FB#/=,:M(+6 Z9K1P.L@=4N/V=XN53B?EN&TKP!2$ M"@]5DS"+ >Z]5:3.3,G |+R#(M]9C6NS' (>M]=D$QWF/@7Y+I=/5.8 74^ MV=1<1L[^:M,P)?6 J%H(+Y:M#"R[{IE15C*

*M_WSN>TQUM=D^HP\4YVB#3RF+E64D=3$S[%R):X/Y"WG_0Q]QB#&<*O,1182? M[&)*6J5!HB EM8P"D]^"IEDMR28FYY'M R/2>9 M(%0\GA<8KC;98N S?;EH/4UVO"A_W"4?P_!*

*{BR*RW(IL[;.'OZ&& ^"""$23IM M76EE5E76"00E75_ELJT#\"/FP%%LRC OH_2^BM.82/1J&$SS0HP[(>&M9 {73H;/L$&UV%BNUS0-5; \RI:AX@V+,J M>%P/W7JGO5T%S'F)2)*

*]%LS6*^0];KG>#4-4$3XY31&EP^1?H=D->BF:2-/D MORNQ+,A8-9?LS@,OY#>" /A/RA1:K>,$]'D(f_+C"9,SN, A7' ?(;C;Z3 M #*%@8""0' F@E/0V5-"]/@LJ*+H6& F_$!5WD?!\>Y^E-*

*%G]^106F:%LSG! M=4/'"%0$_J$! 07[5V5-:FDXZS7!]ID8VCK3T%G>LO? 6)K:XU-6[]4?V_])B MB1-^$8PVY9SB?O;_C#P?M4!/(Q]Q=(\2F+GC"WO*H*$G1C-K'TIO&D<%!T0*

*M]JD9>I/$1-#+0L(&N*T]#)TR//ABR2K,#/(-;VP M&^GQK +K.C8)TQ+'*A!L6O*0T[#VH|V*("\+-,=UF*7+HW2K]XA\EH ;33*T?<:,^795/CC M+'"?6DMU4@9'7*$;;D&?*

*NX(V>M?,BN0M!$H4!32RXHP56V29>X5#K&^9VA10_M-FR@^(Q^A+X7O^1O*>%.'C[R[1*\H?:)]LPI)%9NT0S*B&W<<6)!8FCUFFL/]-M[/V:AY$7)-*

*BK*D$(74(*L^R^/%). V'Y8_"V16L<*BRRKC"UFZ6R]?R* MWS/Y1R-/_7M:+170]^#H@0:]+%]@/;,#K3T6;R3B*_&\IDYA7 1OM,5"1(XSR48-V<|>&E?F^EC]J!:NIKZ2 M)2M73?*

*O2HUQKH+TSJK/*K_.4"%AI6E_(&Y4/,?V?1%WRVZ-L;95\@@0;E.V M<\K((T&;.OW*^K&2!N5F19K\|\6$E>9^<65CLM4=>:AE9?H$*

*M4PQ;.^]BA'?'ASC{J9O1B_@63LY(VS>6Q<:C$>LQ#_2N]Y7#S# MM#_>#<$[46=QZ5VG;W2:$K) 5%PN=&:^BL9IJ^K*']RB6X23)!-6#_]%D>8 M4IA@>'>OY$-[+|KV,*

*X1YF^.34;:H+E4!3@'WQQA7X*N"VC+9.?3./M; MEM8/88VT9U @:F9[/^]ZMOSQ]MV2@+SL.B?@3LF9DI_RLC+*'R%9PJFV@Z9%MB:NJK\+1I&-[&Z14+Q?].EI9CI'_R7*

*M$FLQVM%0[''7@C5TO>89NP |BJG:/5$CZ\|+3A$M=*,<4GR7L4 +%.3[[_H:Y MJ8*\H;-&|SW3]MZ<@+!S;X8#&QBGR@X E8V>?%^]RRC>V:/H^!Q>T;&B-,U/ M&,8VCP-*

*)N2=N2$WN^>$E@Z?G[R8D2O=7V?=UF?O1{C/|]R-M7^WY@R_]HC6 M2=N7(:32X9L[!0 PF!)P02+H9_HX(5!K<->Q4'_X@LC)C46F(]M/'"LT]=Q MQWR;U"9.M-*

*O_S;THW(8H^(5\A);CJ=4OVP2+8DP']+C411/57GU%!,SN)Y3OG M30&0VBB1<6I?<4.T6*IW4U&:..=FNN9A,&8*8.HYYJAU'Q67X.H&BXO218KXB*

*H)6!:,5'^RR>Q|\X1;3UD]]1\[.=0!HFG/[*O-&$UQ&(X_)0T#>_MLNQ(:9I:1(.O;%Z7#3KDV'_W4G3B(IU-<00EJ,~%0ON2FA2\T9"V+^:DW/'6 M0*![V&P;SZL_^RQ4+*

*OY/OLL5:W7A8Z;3RN$LIGCSD2$ -|PJ&/ZAXDNQ%N\V07J]8?!2@;1B'G=*'C3I1/]=?! 4FG2E'-%F.G M/Z;5)7Q/(H*;E)9?R8[VFCO5V^KQC]XINS_0?A\,H>.,J/8.*'=>Q?*

*OLLX>_H6RS)3PDC'>*4O?IDJ)>N#SMFV1_2&*DV,Z%,<<:*)W= M'$F!=;=K?^#O"E>'EET*C_5[V=Q!V29N_VA*P[A@,PI[1-6:3&M M*\|#I3?.XET(/PB+?{#G\GO]@+!D,*

*(0I4TK&H.VX%G1AD8>5$>G_*WZ+0ETL" MTCGVND6<4A:>O#!XB&^\0YAQVD2IS;$(CM-SM AI2%\3SAX+QO'FI2B@CRHB M_*\T29!W-@TS|(+P1VGX*I@&?G)KM3=?O:BG"?*

*W3_Y9BXVJ,O(JH.#.P$$A M57$&R!V>P:>%;_=E=)KO9-M@7-933!,R;).TU29GB"W;5P-(M<)M33E-25T%2-MSXB6.O>52B|[^N|AH*AP*|{4M=>"!GHI-!B"":;8Q4O;VE)Q1DT?*

*T1>]C[!YZ M/VBY=]$!QO&=(#EH(">&^CY1_N$SP(>/7EH)$!|Y866! MBC,'L!>=N8P)>M$]=^@@>MK1>=^ZX]@QH4!M;/?EL:]#"@^]X!UP'7RF$1^N!*

*8R(DAYN2C_TV: '%H0*1 MCZY)$!QWDB.8J!P.$Z+BY-2 C1+Y-1'Z#3NUV1C>.=#0JUT-T]"\CJ!$>$?, MXL2-R.).5L9_ H9^>|*2A((F^RQ>8 @U_A'8= MI@\D-1EC$%.CY"S3TC*

*^:F$1'@NEW&!=+,0FBX%E3QD183((B M<.KFF.B+23 $3@,9$)HQ"6+ R-1C C@FP0P8V5D_&&02?+@B+W=C1R9!!CCY M6#7:1 T;5>I.[4=9.+[C9>^WT?)]_22[[[8?'L- 2LT O^?*

*{UKAYB'R,O1;>H _\&+506/ E% M:2P"_@KWZ?ULM*R4(^ RA-M9B8FVS#3) EVAAP24@WSG\?X@^BR1G@OZ%% M[\&7=ZQM^_ZO>8@1V36YVMGQ*?+B[^H,](ODT(F^1*?*

*^@(6L_$3G+TBO+]% M;](V+\RQ<+8N?A0YH]W>OOUR#D0L R T'9)W@&Y-4F* -=8B8SXY0]0]IP^"6)??*OYR) -@DZSY2(6S MQ]![^R-^-; Q*\(H^4##+,B11:@5SO2:F-$.) F4-*

*<3=H@-&?NAE(;>73&L( M-.F2<3V'29>BA0PKPN33/D)!89^M#;8TY.{T(GU),O2,(FK$>]*EBEDZLOXB M@#1+RF!C\f&0F!DFG@.-"AFJR6C=QNIY$4,VZOU-*7WP^2?*

*4&@5"A*FL*>&_ MN F[O-&FC5T^H5O*,3?;^HN;6(.*:Z]A70O>;*G(+B]MHS(#$*-ZPNA ".6V M2]2Z^T$C(!$1"XM.Z66+==&4.IK08(. I_>4HJ,4[^B)6>SW++?^??=&R#.LO:*

*MDRGW1)L_^65=_ D'XBH6CC%I@'I)"KHU#:0S[.]:|+ _+|:Q#R]"A:FYCA>A M/Q"2:O^A,;+T>?8)TX|K&0%6ZSG/A+'>;;=(]#?.N E8G*$PIQ,N/L@M4, ^# M)LIM2?4F*B_@URL*

*MPO+PYOG?FHW?9(]2<*Z;S.S$,6&<4LL3ZC?QW0_*@/(P?2|S2>@UYD EGV?X{C\3"?A8 M+E|*1VCS%H6[@C#N$ZQ[M\Z_E]|8:|).P>"DA*-D+ONIOE)E%OMY4R7!N.'G;0,*

*M|WVVISW=IG+S$:,E?;]-\K=LFT>UF,G7;_A3+)8M/9QL(AT*',]3(YAAJVN. MBG51P";ORNC!TY_5)H,X(RKS2A0@[G!|;_^X(6X?#$?$VIH^4!!:7EZ3;Y1 M*<*

*18:W+O_7G@[!TC=+-U9(2"N8,S<6;^W'"%#F+2O35 7!Z%X^ .:I"9 MCV&,*-LEXDRH0E#M\3#.0 $$_G@0!|'T?)X2YK6N=W.>=?&S"N/4\Y] ZC7 MQG&WQ('6 ?*

*4FFS8MG1!YCPI/1"^%2EB=@6EQ&KFD80A9>F'ABCJ662:5AGBZ MZBR0M->_9MEEA'>,C@^YU-6%4PK09*

*DL[3@QUQ&SDKJ[/+)26,:D/0!N>CVU/IV4%9T'#&FMXTXV]5Q)!IZ.N5YM([W|U%[0.=.OG4CUW&$S:->&4LS=AS;AFW_XA3'1?=#,_)^:. <[.X]2"5Z/7L:SXRB:2T16 MR+!)V'),&>-*

*VH#&_'FQN;0I2O'#'I&+$"//4W<R M72G#6;+"K610F_9HDCF/5/+^;GNCF; MN_GH^ MM@N/N-X.? {"F@%!3GO?.75?7.\);CK"CU5>LMPTTX+|<6*

*MR'&]S;@<]'.]7X'&]';F9:ZI3S = R_("82GR?[=+/GZ/_*#L4/X0!V2304Y0 MO8FCHY$:Y.V/E$61_.]<'XG\|56-#[.]+C(<'6:ZZ'/H>SA(;IZ3 (>['/V+ MW_F9-]1T]6)*%L'SWY-G8TP409<-*

*:U<30R M6!EFSA5U-*A-&6QE7@#@V?W^_?OO/(23'8I^YR?[W]><[?>9]R.)D_VQ?(>? MR3_^;% MT=#*7G,,"&1]_[#1_FGQ?.-[T8T4N0)#33$?&5U\99;!59UEL?OJ6/<1$_,RI*

*MT"UH:LX8*&33M(28L'-HR;_<3*#WBKF_I*ZS;NNS|R/:UL_^:-Y.6A&R?,= P4_V$8H3)LYAOW>N_RQ#<[#'R^2Q5,L/>RRJK MC-M]4+GC@:/X2TX10SY0?*#3*

*XLYSEZGR$*ZNO?\PET@I%+F4(N7ZR.)/F@8 M<6M;0IXKG@.*3S0Y_ 6Q^8N QC46 &D)C.TS\G,]*(X"<9 -)O6OMJCL<[A MDW]+_/>7#),SWH7^$SEK:O]*`Q]O^& ^1;(KY]B;-*

*W&.!DX(STG1#F;+ P69; M%H=X39YRI+|HO99WXK&&IT2CT:@*)N2[HH&F]_|>7U^M2+ R)-OWXG0O21 M_$W1"/46L-E.YAR;R;G-]3&FS04T1K,(5==Y@;6F0NOT ZJ'NI'68,TF"$%.*

*M-\;N^@SQ!(CV&,ZN#&$RV5=H|K!./D>YEM1GI[A-C_66L(JH*]4H6]GI% 2\'<EK956;%HQ5HHY_T(!EJQO(]:>LLI5H[:5%=%';#Z2 Q%Q3]6Y=IK(1J7<(2O8XY4HNRQ ^"">/,$1S+Z8.*

*ME:L]K;S 8Y"R:4#B;3Y[61&:(9 W!!..!YT2X M4%@9P5V@=51Z-(1A8*U2.,H|Q1'[!E'H*UKL$#Q'P5<)XVF7>QoK2SVTC%C0>E> MZ(?)M=`39RV.X$0D(YA&BB-/B1++|*/V6M4NF??*

*+$>A%I#$(0-HX4S/'_ME(^51;30'&!9D(9[.HX291,#+X504?CU)2M^:"]C*%"5KH3!KI!AGY([SMQG M>(,B'=H<03/>V%&T:#$*3HBRHZ!K,0CEH&C(R)B28^BH*8X6PAEZ5Q;18W!*

*MVF%Y51WMBC6(1A0"]B&C8PK2Z!C&'6VX-(@:'K5R'2!C9DJ>P7&=.=K@9C"A M]'-%'&TE8NR]})-.'.UY,>Q)$62I.-I\P1B%]!)=7&VW8 PCO1P95_LK#,*(*

*M.+W&U4X*1E'13M!QM6>"490T4GM<[8|@[LWEY0V6C/MA,*5H!*YVN-@&&X4 M\;3*G6LN M8;I&N]+G^<7:-.;;,*]H1>,&T:GAGD.ELV*OGNY MP_3,]?$:Q?X[.691'4[I-$ U?*

*L2U\R335L:0'9*$+ ^&&=6;SOU%..6(V>/L M;I5*7X5_F[JZW\/#:W)'V!ZG%N.0%98-'H"ZG]TK0?U*>]=H, <,>&)4&T-N< ML%]N;-,,9>W_F>!Z1RF'!S*

*&S;K),JZVM0ON7>"/=6,+]B]J+9P)!)#6$.L; MU1 UIRK$2\,5Z[LBK(O:'06SWO^ES0:KJ!.UH!.!B3?)_H#BM.P^UL@7OCZ> MQU211E??/1P4_Z"/UU4<*!^M))\R7:,_B?*

*^?B!U$#T5!87,NX]D%Y"^9L?AN M*%H%Q+RL..BZ]=U+67*!5]KS;$'2KD+,,VWQKBS5?N/]?F^|PFC/>,"X=] MROY9,\P^DI,758 #QAA%T/ZI%/'F-.#R8$?/Z6;?.HLLIRQ6?*

*1%,//|%V. M\|X$ =$\,3"YH":%AKOI(4J,"-4-;(42 V>PU2JFZ3M.IRC+XAM8Q:/MG:Y,PWV2XPRAF/IMLE-E7TH|&KC3#,]T$Z<,_1"T*N\-FE<7"6.Q+M+ZW6(*

*M('[',:P2I+,_&898^OWR5=&P2S0$ "@TY$!?B9X\U?;'>$=YT;6'<2BB5.8X M>X)@]7Z4(5#4!RANF<@;;OKY*7C*0_%^AQ|(S)/X@TU[""L.XHS*R]2K/WA,<_NL<^:1K$QCQ17?1.!?*

*R5%#F-M0*WH>29+/+E.A%@D M&*51[8%O]SF&UG2@M"TU4A3C.9]15H+XXLMH$B'&CKI]*XP)O.S(<.%@H.G"Y&$B%/1#*]B8=;2%]Q1&*'4:BB{+?MRZ2+& ) -#]D M]X+==D!.W]N*

*:E=Y<5L-3*T.\((HY +'I1]4!VY+#%K1RD MT77->G*]8*R'`5[(#PN%]JH3!@B ]'A"))%(TNA'F,W5PNP<18XP\)+DLO)"^!P%>D3^8U.*YT41 M.HH5W83C;CDD1DPBY)+ZX_U'2G&/C])*

*S]![:B*MT&&Z1N:,=G.DHD'.9.Q1C M12%C<5+]3]T[^1E%,XA>G A=1{&B)G.Q@X =!WF(,&/*X;"&(8'04 M<#VAHA M9'Q,31XJ*4.065A-_DYS8HPAXV2&IWK2O"S(#;-*

*FX4^2F!W(<'&!H92',"-_MZV4WCI:LJ/L/I,T&!**ZZZGAPNO57LC+D>Q.&. 761<--YP7V_\4MW@Z;^BL MU46];J,_(+P1^CS"M OA]G8*.V%4NTAY98RY8!U;\M3U0>U5H7I4B=T/HQ-*

*M5DY24IO@">'B!:!MC=ZB<%<&T;"(2S+#>+N+MQ1YY*[]$Y&[QB=YYK@%5GWB MH:F,WLER'#^CE+ C=O./_BC3/.IGU28|H'NYXRJF7K:!6^L6.RO=.N>N??4=]ETZS9)#@[*

*M8_DGE*9<_!3P_!2+,/:??-)-+L$Y;=.G^L>UNVTS7V*@'T]MKF6\|:/%#@*]Y[']Y.M|*.\Z$B?HC\7_#]_>!PX"$K+U]?.L&WLDHD5\14B9 M,!7N]AB#+!#6UQ<.89$?*

*#!/60YPA"NE+L"G*)8PYJQ N@)W4^2$R[2@58FM$HINLV2,@-:!*&PU@AD9LBXD-|"}3)PP@!?GG4$ SP7X7@4+,)/<7=;;,*]H1>,&T:GAGD.ELV*OGNY MP_3,]?$:Q?X[.691'4[I-$ U?*

*L2U\R335L:0'9*$+ ^&&=6;SOU%..6(V>/L M;I5*7X5_F[JZW\/#:W)'V!ZG%N.0%98-'H"ZG]TK0?U*>]=H, <,>&)4&T-N< ML%]N;-,,9>W_F>!Z1RF'!S*

*&S;K),JZVM0ON7>"/=6,+]B]J+9P)!)#6$.L; MU1 UIRK$2\,5Z[LBK(O:'06SWO^ES0:KJ!.UH!.!B3?)_H#BM.P^UL@7OCZ> MQU211E??/1P4_Z"/UU4<*!^M))\R7:,_B?*

*^?B!U$#T5!87,NX]D%Y"^9L?AN M*%H%Q+RL..BZ]=U+67*!5]KS;$'2KD+,,VWQKBS5?N/]?F^|PFC/>,"X=] MROY9,\P^DI,758 #QAA%T/ZI%/'F-.#R8$?/Z6;?.HLLIRQ6?*

*1%,//|%V. M\|X$ =$\,3"YH":%AKOI(4J,"-4-;(42 V>PU2JFZ3M.IRC+XAM8Q:/MG:Y,PWV2XPRAF/IMLE-E7TH|&KC3#,]T$Z<,_1"T*N\-FE<7"6.Q+M+ZW6(*

*M('[',:P2I+,_&898^OWR5=&P2S0$ "@TY$!?B9X\U?;'>$=YT;6'<2BB5.8X M>X)@]7Z4(5#4!RANF<@;;OKY*7C*0_%^AQ|(S)/X@TU[""L.XHS*R]2K/WA,<_NL<^:1K$QCQ17?1.!?*

*R5%#F-M0*WH>29+/+E.A%@D M&*51[8%O]SF&UG2@M"TU4A3C.9]15H+XXLMH$B'&CKI]*XP)O.S(<.%@H.G"Y&$B%/1#*]B8=;2%]Q1&*'4:BB{+?MRZ2+& ) -#]D M]X+==D!.W]N*

*:E=Y<5L-3*T.\((HY +'I1]4!VY+#%K1RD MT77->G*]8*R'`5[(#PN%]JH3!@B ]'A"))%(TNA'F,W5PNP<18XP\)+DLO)"^!P%>D3^8U.*YT41 M.HH5W83C;CDD1DPBY)+ZX_U'2G&/C])*

*S]![:B*MT&&Z1N:,=G.DHD'.9.Q1C M12%C<5+]3]T[^1E%,XA>G A=1{&B)G.Q@X =!WF(,&/*X;"&(8'04 M<#VAHA M9'Q,31XJ*4.065A-_DYS8HPAXV2&IWK2O"S(#;-*

*FX4^2F!W(<'&!H92',"-_MZV4WCI:LJ/L/I,T&!**ZZZGAPNO57LC+D>Q.&. 761<--YP7V_\4MW@Z;^BL MU46];J,_(+P1^CS"M OA]G8*.V%4NTAY98RY8!U;\M3U0>U5H7I4B=T/HQ-*

*M5DY24IO@">'B!:!MC=ZB<%<&T;"(2S+#>+N+MQ1YY*[]$Y&[QB=YYK@%5GWB MH:F,WLER'#^CE+ C=O./_BC3/.IGU28|H'NYXRJF7K:!6^L6.RO=.N>N??4=]ETZS9)#@[*

*M8_DGE*9<_!3P_!2+,/:??-)-+L$Y;=.G^L>UNVTS7V*@'T]MKF6\|:/%#@*]Y[']Y.M|*.\Z$B?HC\7_#]_>!PX"$K+U]?.L&WLDHD5\14B9 M,!7N]AB#+!#6UQ<.89$?*

*#!/60YPA"NE+L"G*)8PYJQ N@)W4^2$R[2@58FM$HINLV2,@-:!*&PU@AD9LBXD-|"}3)PP@!?GG4$ SP7X7@4+,)/<7=;;,*]H1>,&T:GAGD.ELV*OGNY MP_3,]?$:Q?X[.691'4[I-$ U?*

*L2U\R335L:0'9*$+ ^&&=6;SOU%..6(V>/L M;I5*7X5_F[JZW\/#:W)'V!ZG%N.0%98-'H"ZG]TK0?U*>]=H, <,>&)4&T-N< ML%]N;-,,9>W_F>!Z1RF'!S*

*&S;K),JZVM0ON7>"/=6,+]B]J+9P)!)#6$.L; MU1 UIRK$2\,5Z[LBK(O:'06SWO^ES0:KJ!.UH!.!B3?)_H#BM.P^UL@7OCZ> MQU211E??/1P4_Z"/UU4<*!^M))\R7:,_B?*

*^?B!U$#T5!87,NX]D%Y"^9L?AN M*%H%Q+RL..BZ]=U+67*!5]KS;$'2KD+,,VWQKBS5?N/]?F^|PFC/>,"X=] MROY9,\P^DI,758 #QAA%T/ZI%/'F-.#R8$?/Z6;?.HLLIRQ6?*

*1%,//|%V. M\|X$ =$\,3"YH":%AKOI(4J,"-4-;(42 V>PU2JFZ3M.IRC+XAM8Q:/MG:Y,PWV2XPRAF/IMLE-E7TH|&KC3#,]T$Z<,_1"T*N\-FE<7"6.Q+M+ZW6(*

*M('[',:P2I+,_&898^OWR5=&P2S0$ "@TY$!?B9X\U?;'>$=YT;6'<2BB5.8X M>X)@]7Z4(5#4!RANF<@;;OKY*7C*0_%^AQ|(S)/X@TU[""L.XHS*R]2K/WA,<_NL<^:1K$QCQ17?1.!?*

*R5%#F-M0*WH>29+/+E.A%@D M&*51[8%O]SF&UG2@M"TU4A3C.9]15H+XXLMH$B'&CKI]*XP)O.S(<.%@H.G"Y&$B%/1#*]B8=;2%]Q1&*'4:BB{+?MRZ2+& ) -#]D M]X+==D!.W]N*

*:E=Y<5L-3*T.\((HY +'I1]4!VY+#%K1RD MT77->G*]8*R'`5[(#PN%]JH3!@B ]'A"))%(TNA'F,W5PNP<18XP\)+DLO)"^!P%>D3^8U.*YT41 M.HH5W83C;CDD1DPBY)+ZX_U'2G&/C])*

*S]![:B*MT&&Z1N:,=G.DHD'.9.Q1C M12%C<5+]3]T[^1E%,XA>G A=1{&B)G.Q@X =!WF(,&/*X;"&(8'04 M<#VAHA M9'Q,31XJ*4.065A-_DYS8HPAXV2&IWK2O"S(#;-*

*MSL,G_^;M=$R?:NM914%;[_DFQYA?D(PYU&*)fXS$#(IH$BQ@K+LN=BT!+.AB\RS9$B/QAK@@NABDIQ>GS?1CLZD>=,#DY"MU3 ]XW4)0H"TPB{P)CN-" MY&-HHD!BT@>-!25AB&?H;R*!Q?H=@5PD_@P#W0V!1SD.7Z 4]VD)#]0L#62- MC(BHLQ"HYML!C18E_]"F/K+9]<.I!\NH/6A2*!CCU(*,HVDX)5>U=CQ+9:0, M*7,'0L;.-(3"LMLZGJVC32-LKL+SI$+&SC0T,I? -6,FTT@^(G)"0\;,-/31 M5V2FP,&? %,':X*B!Q\RJLR2RPS%HO\#.(WT0QRFP,*?(6-!&B\Q!4;^$S)& MM (N',Z9+=H)/'F8L ;LQ:E7-C,7!,VFUO!F.9OMG6,OF%HR#4"M5MXY7!]; MOR@5;M59"TCXX"7K=[;NI!C3I[KK=P,W55,1]#GAT.D ME(O"&BS]ND'PADM@4XI@X/<[BA[S,FCS.0E2_QOE'0WV\,)BK,WY1-M9@Y^_M$!,X%'D^GW@D@^V=2%U#C5;X*)270Q(7EU"0SBR<8PV4SFZ$],0>;YBIO'Y/M7M^3/"52+V%IK] )AX[D;XW;^"7)$)LO#EC (A/:[Y.XN)R2]LO=<=:V3,WD MFVWCT1&0.WNLQ=R_L\ E1"&0,,$_DN2!,\AH<6JV,_CXPV?F/F#K>;?AD'H MX6/C?9'4<6"/AU8WD'V^HX^>_@;RC;;+:(N)X$0(!AM>%_/"5DT^_P)X8!0L"'6,& W MJNH,K7&ARAF&?]WQ'\G',@G\K.7),H+ G^,?#Y]Q1/LJ?B^3RVVZ9-WI!8> M<=8>9_ $J+T-4YP?,B)3O"+_/4ZB9!8\1X95&^@ MOIU";;@CW,2G:#C_G6BG/O59O;Q[&-VB,MR&M=NA2[F%R DYB$XZ41/)&8 M%LTD7XW\.!%[$U+9QG>YP/U'WC1&2O4!;S9=E51UF95\UI\0QK5C+FO1G,, MLZFL]NX.=A\.+8^"^Q&IB\)YTE?LW!QKVSY'+,)NZXU@9 M!M"@*W$/H2^B";WV@PP;-WI/+>>>"#P0H(%7+A\A=$^TI'2%-]E]E*RU2=RE M%=A0BM'W5+2SLOLL"'*.F6$%ANTP<1P!>MJ+U&,#&1OS"^TZUPTRYLR()TR/ M&N34P^D,(*PO'61\}+)8$R,@^Q4R*Q+ZV!!E1 MYBZ-U!T.,5U(L&UWF'C(3]Y+XVU!KS@:>F M)N<3A0<@2!Y*XWBJL#9,E,-MID#,7V-BAA.NXTZ>]#E%NG,.+=,(^>;"PN"Y M,S'UD-X/DV,-GB2D[_PA5GZR8""0/-Y+\O%,/2R2>)O@;)6-Q\BA_PB6E5\Y:J)+\DF"":G>A3S2>C/+75)BT)HMR MR1A=3X?8HMX^"C8$DW&X>_NP]@C\FF\HYM[2;;X],L#D11^O'SW#M)^LN/6 MG+ ^7*L#NLS9;[W4".T*'[,CE,J,^4\4=G=HN*(-WP YWEO.

*! K0O7 F%@^X1I2G+.55^_"H.% J+C%T2W,$-.C/;C8\[.OB]%^*?O2A'M9_^,H':(=..T)@:",_(?A%BH%TS!P- >,WYOA7J14V=52:(M$S5G?^(YIL[ M,?W*

*7|*BRVBURO}@OBLD#W:7DF? MDB\4WN7-EF*9\C#*EY\PVH?YG@.(?!X0 OL:>S7KJW>H1&*L>4! :E)_$28> M--M+:%Z?W@+K*1CC>"F>)10]Q1/1LPY%;P'#N_^24T6["">@$49NO2.3R;"& >'S9RVQ MT<5.4<=BS00'5DT,.F\7?S9T\#;;CF)/1Z(]4A/D!RQKFAU4:GOQ_1,"|?AIWYSA*+E6=MF&CA[_FUTC;'1=4YBB/IG;IG'+XL\D.I@-.!>'[R0RV:S7*=.*@+T6KAJ&$ M%P7(ZZR[',A5P@G;HJ,HV.T1?%2!1),CY!2RV IBG*_2-2I.1.%XK;;R:1$ M$0R(KLLX%#AR0504#'D,*B7;38(.!P1409+>)"AQ M0$P=DM@W":{@":.^RU$ 7>S,4EDWS31CG&SDDIT#>*XS(UNX]/XP(7GLGTZUU-M*)QCKUXC8UNL/@_R\4!R?R_M'IPI]#E!?:FBR=QF>YU@G'PG4C>_0B9_L.E& M @3NQ\2+!9T"VB-_E,A>3BN <47_+^7]0=1'=;M\/E>(+;O3RB\6 M,|[4I0)FO[PU2X:KTIS+MY#POQOO0'[)CAID($'<)>P6>6OL3GAQSZ$22P EA-M4HF@,O*$9#!"\PP. N]#G&9_1QZ^VA)I\O4=58;$6UY9<=598*1H9^K\M^^+ M8-N,@<;+&WX09IO@HY+<+QAM>%^?PX"P0+4+SQUK>$]2>9!?[D!__@*;3TWR M]E+'1YA1B>$>R6NQZ:@6RNCO$I%_VJ,,T_P21QHOODJTTP72TRB#_Z&&K\: M_F[-!?G?IHR8FR7QND/HS@:B4%QI;9B^'##R@DWI/58E./!;11VO11[ MGA<#_,".5F(CDWU"KG)I3HT4Q9PXC@%E/9(?W^(X!L0:Y8 X&D?Q8;\SSIP7 MWX2HS/4%.8XY$/2BJET'&@3KT@SD--Q="@_(_) 4<*RWA.?K*)>L0!>"675=3#I* M:N>Y7!0>%I(@-1^[E &J2&:0 M'4/F,7(2YR [,,R"W18/W;$^/9-__.-L@CJ[JE)"SK19,'G/4>R'*)V@J0A' MRQ11L@F=[4I]G6",6?)-E:E*;8Z\$97XX1 U_I<#LQ!PZ; 72&\I:$3]0-N94 M.N/4LF<.F[?2/CI4C8;.OOK.HAF,KVYRP-IHJKOCG:2L%BBC\U-5,B1OWB)^ M.D ),Y"F+Z7)!5Q-^$KM,8:?N[OBFN(P1<\H3<@U1D^1%\?D M_7I)MMEW#POJ RO/M5>@_=RNE[!*V/,S]M0T&X*7H<0')C%&2$P+9'W(]^)T>0?[-$4^8H"#PWHNN/8Q#65'@WCC#M>WGRCD1+B5X0_@A]HH+(4269 <2Q2#5%-2,2E#E6#S!^ N#\,[X M$ O]H4-0U!C6W,)TU5,$2$S M0EP)F9 ^1CY_HYR1IBO,E\+$*+K07I-T^P0OW0!3>A+LXW(;^9V=U MD^"SH""0%][P\W33;>?PCHC7?D^^3]WK;8GO-D^DUL3YRB]3 "Y"LM;FD1D M*RCV$;E=Y/"]$_9WO^;A@\ MMV<4[M]RG*(R/|%'X0<*[G&R-W],4WW*^&D9IT]0\(T_!EUZGOB+U@-P^@Q5 M&/XDG68-((K^-"O-GX04XTH5S8K$(2]W<2"2S[-Z1AD3V4*[B72;3=MA"@X M>,,))D/09+QZU$63'*]_'Y':4NWN(?8S(KF]1^;|\DZ+ ^4J;%F(>C,,&Y M&#=M]^(IV$/NYW,ZZD?+E]FJ7L7T&$+&A;Q6MLBQ>$IF5'> .8(,5MEHX]AP MODJT_?I^EYKQIN-]E1R$[9)]+3<<:Q(2%G7CW]Z$-4]@ZB9Y"L,,"3"!H] M:O='$#4DE!7ZCCI'D'"%JL6 ,&\Z_E=H.VK.T+?:0NHX/5A1'JY!;W_*.;;> MO';!ESLAXV&RMU;F!G<4*>>6)9#W5$\#.>3$E>^Z_@0\DE>H#D_)L)[3!B M'08R4B9CFXW0#4?A'V&O'!! XBB2AK-/[>@4R(EMTTAA$Q=MFR&K;QP/X87_ M.(J,X0Q%/^[(T9S'CSE(6ZN5O4/MIL$+5#5E'$Q>Y.@"JJTKA(,Z$X-DW/YDD=ZEA0%+UY$WYCBO]\\ M_JL$Q4O&:!\NB-$7EEAN*4> ^\NK&RDEGV8G^9&Q/5VQ7-6'P!@TL5"OU4S .1 M$2EG*TCF!L=%5=I3AHZOUN[6KVT86E> Y-Y8Q$,BFG[QC M\?PI;?PT&,CF?T&T91D*K](@21$\U+6OZ?0*P4]*8"DL O-O?O2CG9H]H3 4'&.W3K E0 M,<7P(U$*%6TZ>0R]MZ*\1'WQOR39WQ'5)O?4&,';?!FTCF7AJ[-;^H_.#BD7 MV&QKTPN/K0Q=;=JC?$9>=)?2. =3AZJ[HAWXM([0X,+VB+G5R85-H@N8%I+S+*6*/3GWJB[OYBT*=QZC6H%\/+A'MYB3*-+XTYWG.Y2QJF@M:!D*12@XYB%]]^.;#Z,=XTS]2DL_M((Y&^LHHNFT^<13(<$0R<99AQ/$IS-!,.EAY'8_",84+%,.1H#-I4.&):FAR- M1!N!(S7CE*/A91/@I,1M.1I?-E3:&&9)AJW5Q5BP MERSQOUT3$(("$HA 59P3P$"PEW7GWW<-.[U]XU?/S" MICP_CL*\HCP<2D4*0\,4?"9N?6MH8@67)+V6.\.,EVM_]>,:'T3/T-!(=(%\)<)3^OSR5=C:2#*S'8L5K(KFA M4ZF21_H1>C)\VA7-@ :,&D";%PN/_VAR@Y(G0;8N33HAA\>4\PVG1+]^^* M$(_5J\E(5{J:8G%4/LET8-DX$?!]M\-H1VI=O1=B5OSP1!\Q3T/_2P2J8T+[&7EU&BFV> M+8I+L8A%<.::ST;WF;. MT[XY(ZKCH99LP\&YF"C?CNDXX!,1UA1V4]"8ED8L M"^VC=42KMF7279R(+)1-4NK>3- 0&[AO(^R<3;1)S(*@L:A$-PK&PG:1(*$FMRQ%\B!1+F$2(({TEE B%:?#3>]P&74G(B%/.GS+N9><^=$YG7FF9RYNDIVCA M=10M(WRM)\E;9%)V:/.%'HG,H&*T=1X!9W6,J&_K2D3Q2X%0RVD/&H=W'4$EZ M@XR^*9Y%)<^)XXF,P_PO3.<,9!3#+N9MZX7G&:?3D.0 -QAD/,*@NXY2ZW.> M+R1!4.-GZ7AB,+ 72,K:=#5>> (B5_67+B<_YR7?!SU\|%3"_)E(fE$>]'JG M,/ 13;(2(E/+,3YU3;/]V"T4;*7*2",+D&*\"RP#U!64E M.AZ3-"4"1)_O34Y+16' BD1UOPRBG,%>.CL)\>?>C-$25+2_WA[QN@%T, M1@%9O+FL96O4%8$D]*!X07Y.CBH4P'#G85I'|+1fF1G*X/(`[$\C85$S/!GY MB#W]!G/WTK(,TFF&DXT:?DEIBBEW+# D*Y/(]9&](@"@I?L(O D/C:%H%4.9@ MW&G5#86GH(1J]4O%%..@Z( P30V#FR3^0#@+R0/TA4A(#]OJ#R@0,5?)'&?- M!0RGCF1H M#;VX9GBD(2$(.H8'^"A,JK &L2V^(8(;7W>5)XLIO#,;?PU@9"%&UP&BBTS( M=M'>6AI;7[T?Y),J;K\+-T5<;'.'C9,?GC#.M.C6^PU(S,98#LLA.*E(_-8H)MI?!.;KS1LL;I)=CA,'X/)OR.!+ MM76A(@B J>UY&%'+WPPW=&.GLD_M'(>RH?TX;B-4#@Z59:4P%$?PCV>7VL?E3L*J2\DB7AG6;34;0K MB.Z=H=,.Z70=*OR),U!XHRWC6ZJ0M@:Z1ASV R-.P8W7>4I82YK6QR\(?1'/ ML9CA4^Q"W.RF-<9>'R*)&@I1QH,5XG4*" M*WUA90M>6@_OAFR/2/RX[)71"/,TI8TZ Z(#<*-Y]%A/KFZ<;,=/"\R'&CD:?+3>]P&F.86 ;0V1+7(&L'9!?7V\)?F"C"KS M_$7%)N0N1X!&9HTSG,.$]U.*;9N I\#"G^%CH;8NNQ.:=%ZF M^0-.5+Y 8]XVAN.B1%PPW[2/N?XB8>\8;.&H#T3$OE[S/7=C{=^MN=*N MO8@V^7AY1TBE9CIW."@ A!%)@@E+ ,)^Y.$31@3 M6+YSWA3GX@!49:F3O8PKW4 VQZME"$D$M]IMV"7(,.L2X_4.72AM.8H$CC2M7'W*8D*.)!*/EF9[-542D42@B.8$%6=,H.*)81I,/6_%]-SX@+(S3-RF;=M M[E<7*B&{BHR]>_*; QD-,SV%3:'=45_08'1H:P6.NH@&(XBK9+AC^.WF5,=O M*?HUIPTL/HKP"2,YW_')?.TI\S=$T=N'VLA';.Q*F0;.&VHN:;S1BN_G%T(7 MV[^\DGI+/;!56X)@]=]HZ;A%E>]XJABT$*7\F5P=]HZ;AX=I7#]/oL/^N3)--P>\!7E%|_M M[4>KWVVV#;2)DUSE$^WE'7T@3/LL967!!KHE<5HZ=[S%=-!3J>1F5VP. +S1 M,Z>]YW&&\,'#V9&2!#>KGC%L7B\-.N38?_=2=+]&W4UQD^S5YX)Y%,2YWKS1 MD+8O9D3<\=9H'O8;!NODP#_[+%0L"]N6\H<;W7K95FJQMLDH7SV>,-RPK67 M;OEB0>-7$%) 3K=" _]/QCCS$C<==01Z0+@$!T"<<^]@NA"T'JCT< @ TZ2,. MJB)VN%?7/5*0%]YN QH%"!C-??SDY/=15!W>3:H:A(BG*QF92G@0BO.M:%U= MA@L:-|L:0LYRCRM$L0*_^9H(I8X6%A3>'=_HD81,Z)I63L)&4TF"C #UW#*!_M:5[".IWVF0X2O[7T3\B(,48>?(G$4>?Q2+KHJ.N0D3)B^"\,(XZRD<2@XKI M S)FC%,(1T0%$#W0,W(5"$ HV/_^CLY+:4NMNSC?5Z?Y&*99:BTBX&N*MGGT M&&[1+4I]'!,8(D(;PGNA$T(^SYK%\+RUE_<$9_1MI=O:,;\1$=,VN A1^9]%M$;$3H;E_P$*Z1.9]D9I'GCZ5Z<2HG"[\--L?^$/?6.37V!F303 80-KD &1# M?SQ=_Y1V%Z\+_ 38D.^$8[UIU!?LYH56 45.^_8[*W7M&9)G?_=N_*;"\V4$] M6/=[$I'HK1$0G9D@?=$R!X1V,I^@S][$;49NP/D8^B]TI2L0%H&A;B WYC@* MJ@0J\XFU<\L85E O?2[\3 ^AO'.9"-B&$")XR%\(Y"@1/C#,GR?0SUK5Q"M'ZF8*QV1+Y MNYC1M%=-!U"M9IYCPV^\,'B(;[Q#F'E1\)_0WL0:Y23$;O^;_I(H@|* MRF&,-MLZKX$!'$3(I,RV%H=*(Q25B(BLT.5%;AVA2.9EE12M9QX=A%K @6D2 M3_GSER3V.Z#[$3YH:GSGF2;@Q"BX\W!,JFA*R#G?TWVBX!9M0S]T"F;I;7V( MJ14UP<>F0.\ 8.+;62#9^S"F!JS-6Q3NBN7N$TPMYN0)*H2(-_ U@Q!Z-[6 M/P+GQ#)C0Q+0"FLK>CO#], 89+2:SO3N$XT9AL _]UU,F8=91?(/P$_49$DM!'M#&>_.?[@#ON" V1H-5WJX#Z<(NG?<1%;Z0#BC[BU"R>?3?$;%^_I$O?K- M6I2. BLY5085_ZO9ZO/8&VJP4UW<[,7?- M&FEMVZK&A@X,TFD0 )+O'<0VQ7>2,=!>4K&.RXID)A]<>^A1XV@\TGV8(N\ M1^1WXC AP10(6>M^6NH.L[HAKD^(NW?>#&M@<^%P^3 #88VU:?)XGAW=W.>/M ME9L0>VN88(CGV#L-!4\ ^UCD$PUG57,<"ZW=*09:?ZG8'@/A>\6<8I%WJC@# M.$Q48;]^\RV_;/O.7.LQ8= ;L GO K2B=: :E0MF=MO#3';. 9:UONL.A2 M[M2 TAP I],ZQE//4>>>E,$/B7Z)F.D98O I=YCET-B*2G^-A))IDN M6Z]F=NZ?A]I$;*B7/]#2>?TDA4X; IPLA=,?T\VV HS\"B%=X=RKJVX]&\8Y MP?IYE]=HFV!T:G.&TKL?1 9,<$#X #X665_T4*ADF$11T2,K0Y@H]RQG@Z!_MG#N\R)T69WTH)T4J T\0D<3H']E'U#-*$5F4&BAOT0>*DL(4YB!)M%/LN < MT-W9>B9'3+]6&@AR1WH9F.I3&2Z$WBXW!P9#3/L,)67<[V@HJ#)HSMLX>MH<9PEPY3PM9NDC3;;#\E25!X(Q'^"'V4OB11P#Y-H% JLB_&N3L$I$#R.H-. M*!3EKY37<;K;I\Z$@2M=U4^ 6$O(A1\%>S#.$PS.N>C)YDZ$!>M=,@GN+TP M3BFQHW03DQ>+S,G#]+THD;=MQ6-"CS%5.N;'_<$+<0D=-,H\TMH3I.GHOU$4 MW"?X;^.PH8.L'L@L,3]K9;8^Q;_+KR?S>DEYDUTO(Q-#9!6](?]2]PS:.],LZ$0##!8M@& M7]EFB&88-AW1:(GJAU7"K/L<5&93LCFK))9IL"1WIL@*3S[+$D-76.S:"4 MYAJ_)%(IC'5'9),LO@D]"A;G@5"8ZJ4EP;GWD?=Q#>?1IN2/9#A+V/D$!_M?21T'3S$})GBRB?LB9L95LJ(+0<$=*\C!^ R9H4+<"5R!P?H:#0>VGYXB+( M9=N(KOB29&R[B0,^+ Y>;/A=JD (WK&@[M?DRO\U#S'B9C&P< +6)%[$T;?S M8MI!]@2R]A\;(Y\0#A."0A_3^)1,5/XO^>]2VR!JQSNMZ?LR.5NNT4^.QQ"MXWXZ3YR*7,<6'3#RP^(C+OG*AK&>[A4KQ:J;_U-1WBTW$]@Q61U2Z>N*H_B M4!+79JL,N\GR?<%TRI.E.^8),>11',3+"]FC&5^(+K_9U@+_)E:1QPH]&-(MSE2Z>^!=D2-(9\U6OB75U0?2?EH(WJ;.W6:HI?DV(L]'+>,>N_A0I.]@C^@UN49$2#W0 M-E*;|^OQET6^'J7"JD\#+Q()3FHN*6-XW MM@DKZS1LM7]PI[.,>HV9E9)_@IZ!,?(=[E%)OZ3.&1=_7#QE--D&FQ[^N$R> MP2>(NH),RY_S[XNGA":/>QCE/9:=/SD]"UT,"54!6%]@P^S,.P9.PZ;O88P M"S:)N&H;'?U\5!5$SYAPU^HU@!JH^T2(@M400Z+8(V(U^VQWS'&(=./!NR#H]W&A$^A]E$HSS6-M=V,A=HSS,+6V3>%1%F''DRDE\RZYGN99MGZ,FY"?:R]G^&K*0]/Z5TXZ!\15 MXD282:\2>YZ]E@_"2#$F-,(IUB\0.]A+(O0PIM@D,D&X%H^^^%. W99^Q)7& ME>E-AIB;WPV?8L*G/M^T@#T/GU MHD0TF5P]#\2IM(.]I(?2&@[K3'K!&NK'TI"*#)\)V(4BC.)59A;N^(>/D\UF M%3!]YHZ2-*=UD$^/Z(O_CH(\0M0YW/&$&H!<.]QMQ.'"*I^_R7!W^BS M0QI:-"6#-UM:ZA9_< ]F0 P 4H;UV?O^F:AX./0B#]C0 ^R50;VG\2D)A18%_M0=FPZA?>F(MISM-(U-Q&I7=(O'_!3/M@^,Z+&"K^1/M B2Z&&"K\3.CO%C=< MAX#Q0MD./E*+,F<0G%=-!U/+0.7>ES=9- M,\|Y:1^<'.#RZKW]W&B\WV=2Y%GQQEJQ)[O!H+QY_QN!BE;/=;S&L_0O+ M&6\-! 7:8X(BQ>OX8B$])CP2"::!XY!GYB@(,CQ)M9TQ@!@EMY5[+TVI,_()MA[$?'KR(/'&Y6RQ2'>8JDN(A_EL8,QN,N@]B=>=2E?K#F0=(JP+W2XT MZ(8,B#?>?('3D#/V MW1&2&=.$F-5X0TF'/PVY_?Y_#%K*R*8\6YZLC'X.@<]&OZ&YH\A[#WMB/9.Z(+^^TVR?POC@E!R'IM^ MRT3J)\1W:#BTI,I">N#.=:ET8.S=,:7)5H$3ZVG-$=:V1!!QXN:@\'".O8U M&GP=9D4T#*$*L@^R#A&1 *5G%=([A)D7A?\BIR31_8NPI6*#[:.^(HM$7IJ& MVQ %Q?-TZA1V[464G[^\(Y0!4#R+A_0U(: T(+J)DKR(=,ZS;K++6?_LCRFS MDHOR$-1\4-%EI^P28(5T0EQT:T\M$ GMO"?F#%8K&8,J#4?>UF*5VJ3#.M MN>C>*88]H[G$!",.Y?HT>U8@7(,.))Y$IJ4[/W!%C%W1$KB3AGYZWCY[68X+ MD^]FRPW-*U^>O/T 0([)H8V_$WNFQ3L"ZS1%3V!7-_1H'E99)_6HT(L<[-^L8 MY'!F@?=%Z<++1)-N5Q1FI%OJ\QT7SYW,EA[T7-MDA/-.4^>)?#\'7EX+4Q:=>X70J:OWU"T@3X3I?;="7UD3OQ0FGG[GKCD=)L--M+81WHQ%AXHM%S'V28Y:S;DEX*30>U8E7VPSA'F;^=)$30/(>3V'@\Q>$#82 MF_DJ%/O+0<> :<7GB!4<7")_2##OZ7_EOY75O_T0*2#5_*GW_R? M-'|+LS#+Z>8^X20_/4WE +#_ZH$B.+?#T4-VM=RM1Q7\1AQ&$4T1?ROO\DP M?I\|LA+-/_IK;I9<5%?D0++C-#!07W_C-ZH7L.$=752J1.CH90QC3]T6[J!.JC#0L0)96.7 8.R M +V),58X1XH:5<_H(XD^]*_B0/.]YQ=.IS/:OR%<8T9Y>)>+! D5I2;&0?"2 M F_H9@P|NAS0MZ5]#'RVI#Q?@4)"KG51'F+7A# ^"'U"@CLB1M 1;9!DHT"' M]A#[R1Z]>C]02MY.1'=SNIGLWYK7C59$CW>607A!?A('5#*XH!(77=W03)2G9MURUA(.TC4AH*\IR>$/9I_.H.%:Y,NF?"(GU$_EY4OF._1G[3NH ?RNFV19%/ MN8?)]X_0Z4;1 OR/X.]Y&!0^A8]CR(9!$4;DST3VV#R<>[(V\^A M[^$@N7E. ASNR;%Q-N;)QR2X((NO]R.5![ *9(<>3-,K\;79A5,5P4C\$ST3:), M O)+3D(LWW%7E"(9<>3-,K\;79A5,5P4C\$ST3:), M O+0SFPCC&\ -- 0>5 MG +E2S0.GNI,# M)ZC+:'U6O7_#OEU2N^ZBL1MB(EF.#V"0D&@##R5AOI?]4;JZ&G]\\#\T;+GZ"[&.'=\2$. C!OJ4$VG1KVU?IU=$9PJ8NRO77\3P+@\MK?Z18WO:I# M=[G4"2@;/]=L(WR#H>2O%(AP OW9-7^R)/I6HY7=2]2SQ:&K.098@< MRK/.#YP-\E*]?DJ>WY,\]6(*RNMWN.1_*T;5M6QI^A- @GX0TQNNA>=_0Q4 M3NW7PSO? ,7AS6MPR.W{V@MUXPH'M3#'"X4$FI'BN4/ 'EP?TO\JO=%G/B:+Y/3O=S_"[Z= M[%]<'YTO3#ZC#Q3GB+HG=G%8A=:VPX.$0V9W5$AM!Z>]5I=>>$]8TPA"EJ*H(/MTS))HPS;*04-AF]CB=+..,7*#=2#A<5 M%&GSBN+6=>VTC)]/B3:]5,]_'6G@:%7*:?=W'UN'V;C#R"/D'#%;7O'S;^ MW')9Z)#OB.7 #A(= M3#:BN^ 1M?+*S_XW]Z*B".DO!! *4VW*OD_P,]KF<4_|.K]]%LV5]=DZ'1G M,E -H0(2' >4'[';,[]HC05G?,FY>KY[(0?545L[?P7)[]XDT4?70WG^"]+M MQ\]YA'|ZM^L__72%\>3MSC (AC3)YRU\(N1-#9%./C[U&3_4'@X4 M=*TALG$@3ZQF9!PW9I??<8BC90U#[N]Q0<]F_N2+E]PWC+OLS]&;!1 M^8600>#AX DG 3F57SP:G4V4KN(S)SUEYXH!X###B1FZJBS>:)5%-TIWJQK4.7]#/+UY04/$1:-PH\F[U89 M">40I>\4/TBV?9CR<2\/1F%^[<#;.Q7\OFI%UT3 M.35$G;01]F\@P6"&K&K43CH5#P/.;Z8-U9J3;TLS;(TC1")"]R6)3Q>M,1(T 8VD:PH=MAD9V2OSHTDHP/O)B'$ZJ&$PTY(\7!8"ZR7""@X5<>]M_KM8FF=PAR<7T&2>3>%BM F)5Q:.XL=F*$Q 6R01HLB%0G7;9(MXI?C8OEN$BWS M)Y#$VBZV>_?C$.)C64B\NBXOS=/:D?_9)L$NQY45VO89'=( MID[M*I.QB=2(XI29#]@PT"&-H)]WTO+SOC6:=_(.7T%>49I8>QNF M.#]0 _0K\M_C)$IV-#"N*Q8K#04)9)'+STI_9_X$$HAS@F6C=_.?#_E"..Z

*E;SX9.!NL

*IO"XN]6CV\44VP@%3M>4W(/6M<-V8']DH+5!D*YI&7QV;_>WA7Q^I1 M1A.;B1XPOZY#.#6#P:7@2ZD@4]&'UU7F'^*V,O%,LQXWVZ\I:]>0Z<]S"""G/ M*$#[P@U:Q%90):O!=C]MR@91%@D,;UH!0R|C6-7 8,RE3R3 @?1OAT"6A5 M*&8%2961($7+IC=XLZ6F_MJ13/3KUZ0,X?6KGU7]UQA,SQTRH16SJDH@_?I:_MO5] D@&[HYS">0^8Z,[!*MFA"(;_1QE-_Z//YRE0>=A<,+A1,'NVY%2.CBT9 M!/(NG'H'-BW\C&H1XE%@M6?.LSI[U.SVE :ZA/%%UJ6(WKTG;R+'9GNCOG!ZF M0/.%55)Y`:J3]!<3G1U865+!!FI8?DD^NAZAUH],OHY(7O+/G^B(6?=<+#36 M3R"!>,JQ_TY>YD*5V6P+4CE723@0).9)17=#&UTLPP<;E.LKC !*4P$ S7TV<, MG69?S!\|FWR_>%E..X]>YRGAU&G*"?*1#@,KD-3FW9.FU+7[-GX :.]R:A% M[?ESF/GO*.]P<,-^@(AP"\Y1B5# @ MG55( @\P <@S^1+04/!>0.,)%N$8=UZV^D"NV.W'KT ?5#L%M2[4W37)BP?! M!*QJ5%"\}YU<>GZQ3^E D#*_*ZUX3Q$RJ[:UA1WA*G!O5U/#:WHKREUQ:!@ M@ROA.]#>_LH[0KZQ6'N+ BJ!T0T\E%+0*0 MBZ_I(DWV6(0946Z29K+VA'Y.W\%>2<:W=>?3B5/6VDDC00+Z4B&(6[6&]'_M]_<4R)3G'OQ__U_4$I#!!0 (_J#9UGU;@*,& @ -4Q / 87-S%N:'1M!5M;<]LV\GY.?P6VT3L&5&6?:S:?DFW;G9F M|QS$D#B6L08%0%WZZ_<<@)1H67+DC>O&B3(32R0/@'!Y\)T#@<!I/?:E>?\/& M4^ "/JG82Z_@]>6_DI-A?S@^B9I*R'ZO%2$D-R13D9.I3-AQ|&T81B/M1&H!BS0Y&Y52MVWCL\HXZ:71J07%O9S!*#.+Q,D_:+S,6 $VP3LXS+AJ1RB, M]B0"Z7!0^5%4.HXW"L*7DJU3#_(&AQ[#W-V;4JN6\;>&]*E/6P\ E7SG\ M?C:GU#;U^.3"O^C^X(_TP3+7E]T;<*&\/3EX/P,]5;8 V$

*{D;AEZ.$(U(?8ZH%3^I:FPG$?Q>_M2S0@S)=;YV$%>WQ8"VRL!6A?@.HBB2"A11,MOW()&-(FLZU[\CGP&TI5L2X) MR2I45&'?]MTC>!!0FO(Y+EFWT D7V-#!BDUV@ZHIQ+_-@/KI5Y,F ZSI:M+_M]#VZ*5C3,/G6[91#,MQ2K5/.*RQ.TAY&"P*W8+S#[F #C%[,%U+/C)H!)0W- M)\TFIVWH",I*F27@T_G41_+BMV"','F*+[$6Q9X7N$J-HPP'@_[@5=L ,5&\GE$5@*5?@U<$^U|Q M7+/'E-B%\W<(NI2|Q\E>9CC??^BQT\'I^,T3\BW^WS.[ZOG9O"CP@-/_@VU? MN&VK|UBB7OV+"G6@+8%@?,#K8I"|(Z$-;7#HZ# M;0?;/C?;/H&P_FG!2=IN"EM9;Z<2"G:Y@+RF4R3V2!SG[3KB&=EVU!Q=FJ7F@TECK\/L)Y;INMLIL/T)?Q=@AN+!QXX<&F7,WYTH4" M8GQ"/\IX_"DH1AG1BR9\!TL%__J^Y'8B=+D!^*7&2O )G@'V8RKED-A MM"<22(>#RH^BT)'?*#PK>"G5,KV5)3CV#N;LQI1\&FWP_B@[Y#67PD_30OHD1TK0Q.2'%\,? M!Z/Q"8U|/3Z!\#^;+YCQSU31DM4W=]& M_7YU29?L;/#$!MGF_L;YLOL<-UC-S+G5AAVV4=;@5BMX4,/Y6"|+),,3[E/_M=UDC[$ 11OLT;>^_O_Y91NQ$M(/>]?G)V]W!2T8[4? OT6C#?NM03Z?]R?1 MLH!W/!Z<]6=CA4WY#)B%F80Y"(2&=.RWFEMT:[5D-T!)BQG-WA!LN$@^8V9 M@KUQ%6CV!JR9@'(]=]WS_NC/_]2WZ8:GSQ-1_^8.<82(*9? LO39S!6("O0@L M&^$D#,ZDC6&,LQ*OK.2*%3S'6Y:9$A.=-Y'N M!H&&')SC=DDD)7\/R+2<'1SFCL, *Z1&2!*ZUQ#LH;<@.3ZVG>=2%QB@.=.7^^#U7M< Y$>8=O/?0 M120%=13>D8.1XRFU]J &O&Z#-4HJPJ;B1Q2U0@)T&X/8#NQ;N M]2D+$^F\Q0T/XW0SRHU2|C]NX5IA{DE]\(X-F)P_3^^XO0.E'UXL3@?#GT>N-M<@"FHJ7X;XI"XN61.PY NV; <0H T0E1F"@AZ#-"/,B7=E$8068GIAU(070OI M.(OS4J8KNR)@>!MQT[0B@+0-^(>+U:Y%.N)\#>8,R_J152#,]X,KPX M@BC%\$+$JW@I;;>DHT_1_(P20\?5(O1)EKT9%7<8%% MY%,2 C(602'5.)JI=E28!'JRH8H)@=@X0($\!GX;5.&&0.;UXI0_4*T@Q+K MP1&Q7.I6>?@M R+$>)OFP3?7L'AWL@W#^L[(U%Q.],"H(8=T9S MBI_<(3RI0B;<<2M:#" ]) <^DDGY)N7\;6_*( )> A CF.Z2="CN$Z46C4%7;.M"I'H0JV2\\:*($"HM2>@L011"$A\ A4AG4AP'Q%!AQXA*XR4!]AU89T$78(8#.4RY6#9FIO:I1=@G&/.5 M-5!-7'QZ']6RMMH.GM.8 N49T>0'I'20(HI;-,B_EK1A;RJ2\&0[8AX0ERCG MF3RO+2U9)\%LF[8TSN,#ZCWC9"I'F?Z('2MVM&M,@>C#F+%!WLB.FQ<([0;J M1.AZ)=EQE&O*W2H?4[0): 41PG P21,BETS)]Z":WL,&?>_+K?11B#]7;=" M85OTL&U1Z/>N'+NW#H@4G[NNM8Z-Y!L]$[N5:=K\3B6]-Y8MZH(P@VK)M+ ^A!0&FV M#'&;OB6$C%'2CTS:@:4*#6?- U\VX0C*"MEEH!/ MYU,3 Q"__SN$R>,4$OV'_\;][(<.]IFE6<0\0Z^<=+#MH-LW$;D.4>M9(.2@VT&W MKTVW+XA:EU,)!7N[:H+\&CN]H=%U2QVUYM(O(LT/H71",7K:90**- @'8,RM5Y%Z?SYDVA0)'$1C2],H/+6)=Z M)*2K%%^F]'3UZNZL)?Z_AL[_ZL=M>I;AF%H EH\]L\C_WCSA,_S;-^IV>Z MRKR-Q%*'5ZB<##N M51TP? A5HZ.6]JS*@W]W@,OP]\6(XE-,-B&5SR M# PY@SDY5OF5C6"DK%49REI86(*I.!@,0Z&VYZ8V:>=<@N>R6D,0.(!FVN. MAQNV_]47IN]/)\>7I^[,+\NGL9'I,+]83=TD.^Z;0E/B<3M*VF"_>S ((#_H=$J*P5Z'-(W3QG]!H=<& X12*DEXC%=N[-CD(,DQ:##4#83KD M5,;=#J'D!"O;G&H@L=)846GIPZ[3]/O+Q:#OQ^%$93F5R^]2A6B/*;2=@H9H M25"_Y<>9<8E@_%E3CRHHE.0?W M"",8[W=*9\3O>Q)HG2YC%\J*0(8#UQNP&3((KP>8FX,^H/IZTNTFKI:I"8=-MZL4C22'08HQ7@J.K\P!,.YT#'25 A M",X$S;E !S!M8S? B)B9<4AF[^ZB3E4_FTB)*%;+R7^50Y;#9B$##W^VOY@SZO M?TZ"D0V4ED98.&H7ZH,%677]"[KL1CU!EZJPJ&@!+*R4^OU^M_\JK">@ZX+F M!@(#.<7H0M56H7;=J+ /B!A^9@MMET$C70BC%5CU+]7Q_U'T],GRUWDK5 )I> MJF?9+7/]KC^ZW\S]KC_P[VWTS3V-WAD]_]CW@U]WHF4RW)@PJ8Z-V*0E,?$Y5'2)=8;4RAG]*A MT3>.T%T.C? #3<6!^"2/HIS%X[^R&VTCR>Z8-/1'?#1C-HF"<8-F6MN40C= MH;;DO#7T-T;BY34]9TH-B0!%%(Q; *!H5^CO:^1W!,!"X\AZ!*MHVL5F0P9-[F@R\"--HSZM;\QN?PG.?ZO MPCCF9V.PG.J!9 _,FG]HIN=/)LY_H\^GJR:P]IC+\FT%7&=M _=20WA] &-9 MW2X7M^H&:6)!!U3,Z=*47>&XYUZ1.'HQ[I6O5OP-4$L! A0#% @ RH-G M63X]\-C"-0( W ,D !$ ( ! &%S<&XM,C R-# Y,S N-M;'1M4$L! A0#% @ RH-G6144$^ 7;@$ D<@5 !$ ( ! M\34" &%5<&XM,C R-# Y,S N>'-D4$L! A0#% @ RH-G6?5N HX8" MU3$ ! ( !-Z0# &%S<&XM97@S,5\Q+FAT;5!+ 0(4 Q0 M ( J#9UE,N@C2-P@ /@U-/ " 7RL P!A#,R+FAT;5!+!08 !0 % #,! #)N@,.! end XML 77 aspn-20240930_htm.xml IDEA: XBRL DOCUMENT 0001145986 us-gaap:AdditionalPaidInCapitalMember 2024-06-30 0001145986*
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aspn:Agreement shares aspn:Customer aspn:Segment iso4217:USD shares iso4217:USDfalse--12-31Q30001145986 http://fasb.org/us-gaap/2024#UsefulLifeShorterOfTermOfLeaseOrAssetUtilityMember10-Qtrue2024-09-302024false001-36481ASPEN AEROGELS, INC.DE04-3559972230 Forbes RoadBuilding BNorthboroughMA01532508691-1111Common Stock, par value $0.00001 per shareASPNNYSEYesYesAccelerated Filerfalsefalsefalse8204728811348900013972300039400024800089800023000011519900069995000474300003918900029344000171760003058560002663310004515690004671589000-673602000507650000488055000782587000703048000117340000607550003296110001544990006829700046945000193847000127196000490430001381000013576400027361463400039822000-50586000-1469000-1938000-7550000-2424000-11470001313000-883000553200021860002186000-27487000-27487000-3010300015610003592000052940000-12703000-13073000390200045292000267000188900012970000-13073000201300045292000-0.17-0.190.03-0.65-0.17-0.190.03-0.657626129469317805764021236924384376261294693178057914919369243843765031511161657000-673602000488055000-1835000-1835000253200025320000253200028000280001182891081000108100067979621740002174000136286138600013860007607793011666400006754370004912030001681800016818000297100029710001138 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style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">(1) Description of Business and Basis of Presentation</span></p><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Nature of Business</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Aspen Aerogels, Inc. (the Company) is an aerogel technology company that has introduced a line of aerogel thermal barriers for use in battery packs in the electric vehicle market. In addition, the Company designs, develops and manufactures innovative, high-performance aerogel insulation used in the energy industrial and sustainable insulation materials markets. The Company is also developing applications for its aerogel technology in the battery materials and a number of other high-potential markets.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The Company maintains its corporate offices in Northborough, Massachusetts. The Company has </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">three</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> wholly owned subsidiaries: Aspen Aerogels Rhode Island, LLC (Aspen RI), Aspen Aerogels Germany, GmbH and Aspen Aerogels Georgia, LLC (Aspen Georgia). Additionally, we engaged Prodensa Servicios de Consultora to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico (OPE), which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. OPE is currently owned by Prodensa, which charges a management fee. There is an option for OPE to be purchased by the Company after a period of </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">18</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> months. During the period between inception and the exercise of the purchase option, OPE operations are consolidated within the Company financial statements.</span></p></div><div><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Liquidity</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">During the nine months ended September 30, 2024, the Company earned net income of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">2.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million, provided </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">9.9</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of cash in operations and used </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">71.5</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of cash for capital expenditures. The Company had unrestricted cash and cash equivalents of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">113.5</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million as of September 30, 2024.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">January 2024</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> and </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">September 2024</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">, the Company entered i</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">nto sale and leaseback arrangements, pursuant to which the Company sold certain equipment to an equipment leasing company for one-time cash payments of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">5.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> and $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">10.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million, respectively, and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the lease term of </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">three years</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">On August 19, 2024, the Company and Aspen RI (each, a Borrower and collectively, the Borrowers) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility) with MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as additional guarantors and/or borrowers from time to time, for a term loan facility in an aggregate principal amount of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">125.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">100.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million or the borrowing base. At closing the Company drew $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">125.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million from the term loan facility and $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">43.0</span><span style="color:#000000;white-space:pre-

wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the 2022 Convertible Notes (as defined below) for $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">150.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and for general corporate</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> purposes. The amount available to the Company at September 30, 2024 under the revolving loan facility was </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$25.7 million. The Company is increasing investment in the research and development of next-generation aerogel products and manufacturing process technologies. In addition, the Company has developed a number of promising aerogel products and technologies for the electric vehicle market. The Company believes that the commercial potential for the Company's products and technology in the electric vehicle market is significant. Accordingly, the Company is hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity and automated thermal barrier fabrication operations, and enhancing research and development resources, among other items. The Company expects its existing cash balance and the amount anticipated to be available under the existing revolving loan facility will be sufficient to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunity in the electric vehicle market and other strategic business initiatives. However, the Company plans to supplement its cash balance and available credit with equity financings, debt financings, equipment leasing, sale and leaseback transactions, customer prepayments, or government grant and loan programs to provide the additional capital necessary to purchase the capital equipment, construct the new facilities, establish the operations and complete the aerogel capacity expansions required to support these evolving commercial opportunities and strategic business initiatives. Unaudited Interim Financial Information The accompanying unaudited interim consolidated financial statements include the accounts of the Company and have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this Quarterly Report on Form 10-Q should be read in conjunction with the audited consolidated financial statements and accompanying notes in our Annual Report on Form 10-K for the year ended December 31, 2023 (the Annual Report), filed with the U.S. Securities and Exchange Commission on March 7, 2024. In the opinion of the Company's management, the unaudited interim consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements and include all adjustments that are of a normal recurring nature and necessary for the fair statement of the Company's financial position as of September 30, 2024 and the results of its operations and stockholders' equity for the three and nine months ended September 30, 2024 and 2023 and the cash flows for the nine-month periods then ended. The Company has evaluated subsequent events through the date of this filing. The Company's results of operations for the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the year ending December 31, 2024 or any other period. Nature of Business Aspen Aerogels, Inc. (the Company) is an aerogel technology company that has introduced a line of aerogel thermal barriers for use in battery packs in the electric vehicle market. In addition, the Company designs, develops and manufactures innovative, high-performance aerogel insulation used in the energy industrial and sustainable insulation materials markets. The Company is also developing applications for its aerogel technology in the battery materials and a number of other high-potential markets. The Company maintains its corporate offices in Northborough, Massachusetts. The Company has three wholly owned subsidiaries: Aspen Aerogels Rhode Island, LLC (Aspen RI), Aspen Aerogels Germany, GmbH and Aspen Aerogels Georgia, LLC (Aspen Georgia). Additionally, we engaged Prodensa Servicios de Consultora to establish OPE Manufacturer Mexico S de RL de CV, a maquiladora located in Mexico (OPE), which manufactures thermal barrier PyroThin products and operates an automated fabrication facility for PyroThin. OPE is currently owned by Prodensa, which charges a management fee. There is an option for OPE to be purchased by the Company after a period of 18 months. During the period between inception and the exercise of the purchase option, OPE operations are consolidated within the Company financial statements. 3P18M Liquidity During the nine months ended September 30, 2024, the Company earned net income of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">2.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million, provided </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$9.9 million of cash in operations and used $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">71.5</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of cash for capital expenditures. The Company had unrestricted cash and cash equivalents of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$113.5 million as of September 30, 2024. In January 2024 and September 2024, the Company entered into sale and leaseback arrangements, pursuant to which the Company sold certain equipment to an equipment leasing company for one-time cash payments of $5.0 and $10.0 million, respectively, and leased back such equipment from the leasing company. The associated monthly lease rents will be paid over the lease term of three years. On August 19, 2024, the Company and Aspen RI (each, a Borrower and collectively, the Borrowers) entered into a Credit, Security and Guaranty Agreement (the Credit Agreement and the facilities provided thereunder, collectively, the MidCap Loan Facility) with MidCap Funding IV Trust, as agent (the Agent), MidCap Financial Trust, as term loan servicer, the financial institutions or other entities from time to time party thereto as lenders (the Lenders), and the other parties party thereto as additional guarantors and/or borrowers from time to time, for a term loan facility in an aggregate principal amount of $125.0 million and an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of $100.0 million or the borrowing base. At closing the Company drew $125.0 million from the term loan facility and $43.0 million from the revolving loan facility. The proceeds of the borrowings, net of fees and costs, were used for repurchasing of the 2022 Convertible Notes (as defined below) for $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">150.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and for general corporate</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> purposes. The amount available to the Company at September 30, 2024 under the revolving loan facility was </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$25.7 million. The Company is increasing investment in the research and development of next-generation aerogel products and manufacturing process technologies. In addition, the Company has developed a number of promising aerogel products and technologies for the electric vehicle market. The Company believes that the commercial potential for the Company's products and technology in the electric vehicle market is significant. Accordingly, the Company is hiring additional personnel, incurring additional operating expenses, incurring significant capital expenditures to expand aerogel manufacturing capacity and automated thermal barrier fabrication operations, and enhancing research and development resources, among other items. The Company expects its existing cash balance and the amount anticipated to be available under the existing

*revolving loan facility will be sufficient to support current operating requirements, current research and development activities and the initial capital expenditures required to support the evolving commercial opportunity in the electric vehicle market and other strategic business initiatives. However, the Company plans to supplement its cash balance and available credit with equity financings, debt financings, equipment leasing, sale and leaseback transactions, c</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">ustomer </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">prepayments, or government grant and loan programs to provide the</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p><p style="font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">additional </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">capital necessary to purchase the capital equipment, construct the new facilities, establish the operations and complete the aerogel capacity expansions required to support these evolving commercial opportunities and strategic business initiatives.</span></p>2000000990000071500000113500000January 2024September 2024500000010000000P3YP3Y125000000100000000125000000430000001500000002570000<p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Unaudited Interim Financial Information</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The accompanying unaudited interim consolidated financial statements include the accounts of the Company and have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Certain information and disclosures normally included in the consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. As such, the information included in this Quarterly Report on Form 10-Q should be read in conjunction with the audited consolidated financial statements and accompanying notes in our Annual Report on Form 10-K for the year ended December 31, 2023 (the Annual Report), filed with the U.S. Securities and Exchange Commission on March 7, 2024.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In the opinion of the Company's management, the unaudited interim consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements and include all adjustments that are of a normal recurring nature and necessary for the fair statement of the Company's financial position as of September 30, 2024 and the results of its operations and stockholders' equity for the three and nine months ended September 30, 2024 and 2023 and the cash flows for the nine-month periods then ended. The Company has evaluated subsequent events through the date of this filing.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The Company's results of operations for the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the year ending December 31, 2024</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> or any other period.</span></p><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">(2) Significant Accounting Policies</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Please refer to "Note 2. Summary of Basis of Presentation and Significant Accounting Policies," to the Company's consolidated financial statements from the Annual Report for the discussion of the Company's significant accounting policies.</span></p><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Use of Estimates</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The preparation of the consolidated financial statements requires the Company to make a number of estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Significant items subject to such estimates and assumptions include allowances for doubtful accounts, sales returns and allowances, product warranty costs, inventory valuation, the carrying amount of property and equipment, right-of-use assets, lease liabilities, stock-based compensation, and deferred income taxes. The Company evaluates its estimates and assumptions on an on-going basis using historical experience and other factors, including current economic conditions, which are believed to be reasonable under the circumstances. Management adjusts such estimates and assumptions when facts and circumstances warrant. Illiquid credit markets, volatile equity markets and declines in business investment can increase the uncertainty inherent in such estimates and assumptions. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Changes in these estimates resulting from continuing changes in the economic environment will be reflected in the financial statements in future periods.</span></p></div><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Restricted Cash</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">As of September 30, 2024, the Company had </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.4</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of restricted cash to support its outstanding letters of credit.</span></p></div><div><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Concentration of Credit Risk</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Financial instruments, which potentially expose the Company to concentrations of credit risk, consist principally of accounts receivable. The Company's customers are primarily insulation distributors, insulation contractors, insulation fabricators and select energy and automotive end-users located throughout the world. The Company performs ongoing credit evaluations of its customers' financial condition and generally requires no collateral to secure accounts receivable. The Company maintains an allowance for doubtful accounts based on its assessment of the collectability of accounts receivable. The Company reviews the allowance for doubtful accounts quarterly. During the nine months ended September 30, 2024, the Company recorded an increase for estimated customer uncollectible accounts receivable of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.1</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million. During the nine months ended September 30, 2023, the Company recorded a reduction for estimated customer uncollectible accounts receivable of less than $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.1</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million.</span></p></div><div style="font-size:10pt;font-family:Times New Roman;"><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">For the nine months ended September 30, 2024 and 2023</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">, </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">two</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> customers represented </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">74</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">% </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> and </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">50</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">% of total revenue, respectively.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">At September 30, 2024</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">, the Company had </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">one</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> customer which accounted for </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">79</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">% of accounts receivable. At December 31, 2023, the Company had </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">two</span><span style="font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> customers which accounted for </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">60</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">% and </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">6</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">% of accounts receivable, respectively.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p></div><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Revenue Recognition</span></p></div><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The Company recognizes revenue in accordance with Accounting Standards Codification 606, Revenue from Contracts with Customers (ASC 606). See note 3 for further details.</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"></span></p><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Sale and Leaseback Accounting</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The Company has entered into sale and leaseback transactions for certain equipment within its plants. Due to the Company not meeting criteria to account for the transfer of the assets as a sale, sale accounting is precluded. Accordingly, the Company uses the financing method to account for these transactions.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Under the financing method of accounting for a sale and leaseback, the Company does not derecognize the assets and does not recognize as revenue any of the sale proceeds received from the lessor that contractually constitutes payment to acquire the assets subject to these arrangements. Instead, the sale proceeds received are accounted for as finance obligations and leaseback payments made by the Company are allocated between interest expense and a reduction to the finance obligation. Interest on the finance obligation is calculated using the Company's incremental borrowing rate at the inception of the arrangement on the outstanding finance obligation.</span></p></div><div style="font-size:10pt;font-family:Times New Roman;"><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Recently Issued Accounting Standards</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">From time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies. Recently issued standards typically do not require adoption until a future effective date. Prior to their effective date, the Company evaluates the pronouncements to determine the potential effects of adoption to its consolidated financial statements.</span></p><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Standards Implemented Since December 31, 2023</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The Company has not implemented any accounting standards that had a material impact on its consolidated financial statements during the nine months ended September 30, 2024.</span></p><p style="font-size:10pt;margin-top:18pt;font-family:Times New*

*Roman;margin-bottom:0;text-align:left;">Standards to be Implemented In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company's fiscal year 2024 and interim periods in fiscal year 2025. Early adoption is permitted. The Company is currently evaluating segment expense disclosures related to its annual report for fiscal year 2024. In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company's fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.  Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements. The Company believes that the impact of recently issued accounting standards that are not yet effective will not have a material impact on its consolidated financial statements. Use of Estimates The preparation of the consolidated financial statements requires the Company to make a number of estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Significant items subject to such estimates and assumptions include allowances for doubtful accounts, sales returns and allowances, product warranty costs, inventory valuation, the carrying amount of property and equipment, right-of-use assets, lease liabilities, stock-based compensation, and deferred income taxes. The Company evaluates its estimates and assumptions on an on-going basis using historical experience and other factors, including current economic conditions, which are believed to be reasonable under the circumstances. Management adjusts such estimates and assumptions when facts and circumstances warrant. Illiquid credit markets, volatile equity markets and declines in business investment can increase the uncertainty inherent in such estimates and assumptions. As future events and their effects cannot be determined with precision, actual results could differ significantly from these estimates. Changes in these estimates resulting from continuing changes in the economic environment will be reflected in the financial statements in future periods. Restricted Cash As of September 30, 2024, the Company had $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.4</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of restricted cash to support its outstanding letters of credit.</span></p>400000<p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Concentration of Credit Risk</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Financial instruments, which potentially expose the Company to concentrations of credit risk, consist principally of accounts receivable. The Company's customers are primarily insulation distributors, insulation contractors, insulation fabricators and select energy and automotive end-users located throughout the world. The Company performs ongoing credit evaluations of its customers' financial condition and generally requires no collateral to secure accounts receivable. The Company maintains an allowance for doubtful accounts based on its assessment of the collectability of accounts receivable. The Company reviews the allowance for doubtful accounts quarterly. During the nine months ended September 30, 2024, the Company recorded an increase for estimated customer uncollectible accounts receivable of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$0.1 million. During the nine months ended September 30, 2023, the Company recorded a reduction for estimated customer uncollectible accounts receivable of less than $0.1 million. For the nine months ended September 30, 2024 and 2023, two customers represented 74% and 50% of total revenue, respectively. At September 30, 2024, the Company had onecustomer which accounted for 79% of accounts receivable. At December 31, 2023, the Company had two customers which accounted for 60% and 6% of accounts receivable, respectively.  100000100000220,740,740,5010,7920,600,06 Revenue Recognition The Company recognizes revenue in accordance with Accounting Standards Codification 606, Revenue from Contracts with Customers (ASC 606). See note 3 for further details. Sale and Leaseback Accounting The Company has entered into sale and leaseback transactions for certain equipment within its plants. Due to the Company not meeting criteria to account for the transfer of the assets as a sale, sale accounting is precluded. Accordingly, the Company uses the financing method to account for these transactions. Under the financing method of accounting for a sale and leaseback, the Company does not derecognize the assets and does not recognize as revenue any of the sale proceeds received from the lessor that contractually constitutes payment to acquire the assets subject to these arrangements. Instead, the sale proceeds received are accounted for as finance obligations and leaseback payments made by the Company are allocated between interest expense and a reduction to the finance obligation. Interest on the finance obligation is calculated using the Company's incremental borrowing rate at the inception of the arrangement on the outstanding finance obligation. Recently Issued Accounting Standards From time to time, new accounting pronouncements are issued by the Financial Accounting Standards Board or other standard setting bodies. Recently issued standards typically do not require adoption until a future effective date. Prior to their effective date, the Company evaluates the pronouncements to determine the potential effects of adoption to its consolidated financial statements. Standards Implemented Since December 31, 2023 The Company has not implemented any accounting standards that had a material impact on its consolidated financial statements during the nine months ended September 30, 2024. Standards to be Implemented In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standard Update (ASU) 2023-07 Segment Reporting (Topic 280) Improvements to Reportable Segment Disclosures to enhance disclosures about significant segment expenses. This ASU is effective for the Company's fiscal year 2024 and interim periods in fiscal year 2025. Early adoption is permitted. The Company is currently evaluating segment expense disclosures related to its annual report for fiscal year 2024. In December 2023, the FASB issued ASU 2023-09 Income Taxes (Topic 740) Improvements to Income Tax Disclosures that requires disclosure of disaggregated income taxes paid, prescribes standard categories for the components of the effective tax rate reconciliation, and modifies other income tax-related disclosures. This ASU is effective for the Company's fiscal year 2025. Early adoption is permitted. The Company is currently evaluating income tax disclosures related to its annual report for fiscal year 2025.  Although there are several other new accounting pronouncements issued by the FASB, the Company does not believe any of these accounting pronouncements had or will have a material impact on its Consolidated Financial Statements. The Company believes that the impact of recently issued accounting standards that are not yet effective will not have a material impact on its consolidated financial statements. (3) Revenue from Contracts with Customers <span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times*

*New Roman;font-style:italic;min-width:fit-content;">Revenue Recognition Revenue is recognized when a customer obtains control of promised goods or services in an amount that reflects the consideration which the entity expects to receive in exchange for those goods or services. To determine revenue recognition for arrangements within the scope of ASC 606, the Company performs the following five steps: (i) identification of the contract with a customer; (ii) identification of the performance obligations in the contract; (iii) determination of the transaction price; (iv) allocation of the transaction price to the separate performance obligations in the contract; and (v) recognition of the revenue associated with performance obligations as they are satisfied. The Company applies the five-step model to contracts when it is probable that the Company will collect the consideration it is entitled to in exchange for the goods or services it transfers to the customer. At contract inception, once the contract is determined to be within the scope of ASC 606, the Company assesses the goods or services promised within each contract and determines those that are performance obligations and assesses whether each promised good or service is distinct. If the contract contains a single performance obligation, the entire transaction price is allocated to the single performance obligation. Contracts that contain multiple performance obligations require an allocation of the transaction price based on the estimated relative standalone-selling prices of the promised products or services underlying each performance obligation. The Company determines standalone-selling prices based on the price at which the performance obligation is sold separately. If the standalone-selling price is not observable through past transactions, the Company estimates the standalone-selling price considering available information such as market conditions and internally approved pricing guidelines related to the performance obligations. The Company then recognizes as revenue the amount of the transaction price that is allocated to the respective performance obligation when (or as) the performance obligation is satisfied. When determining the transaction price of a contract, an adjustment is made if payment from a customer occurs either significantly before or significantly after performance, resulting in a significant financing component. Applying the practical expedient in paragraph ASC 606-10-32-18, the Company does not assess whether a significant financing component exists if the period between when the Company performs its obligations under the contract and when the customer pays is one year or less. The Company did not have any contracts outstanding at December 31, 2023 and did not enter into any contracts during the nine months ended September 30, 2024 that contained a significant financing component. The Company records deferred revenue for product sales when (i) the Company has delivered products, but other revenue recognition criteria have not been satisfied, or (ii) payments have been received in advance of the completion of required performance obligations. Thermal Barriers The Company supplies fabricated, multi-part thermal barriers for use in battery packs in the electric vehicle market. These thermal barriers are customized to meet customer specifications. Although thermal barrier products are customized with no alternative use to the Company, the Company does not always have an enforceable right to payment. Under the provisions of ASC 606, the Company recognizes revenue at a point in time when transfer of the control of the products is passed to the customer according to the terms of the contract, including under bill and hold arrangements. The timing of revenue recognition is assessed on a contract-by-contract basis. Energy Industrial The Company generally enters into contracts containing one type of performance obligation. For a majority of the contracts, the Company recognizes revenue at a point in time when transfer of control of the products is passed to the customer, which is generally upon delivery according to contractual shipping terms within customer purchase orders. For a limited number of customer arrangements for customized products with no alternative use to the Company and an enforceable right to payment for progress completed to date, the Company recognizes revenue over time using units of production to measure progress toward satisfying the performance obligations. Units of production represent work performed as we do not generate significant work in process and thereby best depicts the transfer of control to the customer. Customer invoicing terms for contracts for which revenue is recognized under the over time methodology are typically based on certain milestones within the production and delivery schedule. The timing of revenue recognition is assessed on a contract-by-contract basis. The Company also enters into rebate agreements with certain customers. These agreements may be considered an additional performance obligation of the Company or variable consideration within a contract. Rebates are recorded as a reduction of revenue in the period the related revenue is recognized. A corresponding liability is recorded as a component of deferred revenue on the consolidated balance sheets. These arrangements are primarily based on the customer attaining contractually specified sales volumes. The Company estimates the amount of its sales that may be returned by its customers and records this estimate as a reduction of revenue in the period the related revenue is recognized. The Company currently estimates return liabilities using historical rates of return, current quarter credit sales, and specific items of exposure on a contract-by-contract basis. Sales return reserves were approximately $0.7 million and $0.2 million as of September 30, 2024 and December 31, 2023, respectively. Shipping and Handling Costs Shipping and handling costs associated with outbound freight after control over a product has transferred to a customer are accounted for as fulfillment costs and are included in the cost of product revenue. The associated amount of revenue recognized includes the consideration to which the Company expects to be entitled to receive in exchange for incurring these shipping and handling costs. Disaggregation of Revenue In the following tables, revenue is disaggregated by primary geographical region and source of revenue: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:30.346%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.502%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.502%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.502%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.502%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.502%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.14%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:8.302000000000001%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;"> </td><td style="vertical-align:bottom;"> </td><td colspan="22" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Three Months Ended September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> <span style="white-space:pre-*

wrap;min-width:fit-content;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Geographical region </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom

</td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 633 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 633 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Europe </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 8,455 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 8,455 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,361 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,361 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Latin America </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,012 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,012 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,176 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,176 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 73,309 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 73,309 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> <span style="min-width:fit-

*content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"> Total revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">73,309</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 44,031 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">117,340</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">18,971</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 60,755 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:8pt;vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Source of revenue </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-*

align:center;"> 13,679 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">13,097</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,776 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">12,249</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 15,663 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">27,912</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Thermal barrier</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">59,630</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">30,934</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New 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style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">29,535</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td 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style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">32,843</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:20pt;text-indent:0;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Total revenue</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 73,309 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">44,031</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 117,340 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">41,784</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 18,971 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 60,755 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>

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style="width:8.302000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Nine Months Ended September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" 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style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Geographical region </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" 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style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 18,071 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 18,071 </td> <td style="white-

space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 27,522 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 27,522 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Canada </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,599 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,599 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,519 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,519 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Europe </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,926 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,926 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,735 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,735 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Latin America </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 74,614 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td

style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,065 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,065 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 198,401 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 93,658 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 93,658 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"> Total revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">198,401</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 131,210 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">329,611</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 93,658 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">60,841</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 154,499 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:8pt;vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"><p

style="font-size:6pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Source of revenue </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">41,853</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 50,928 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">92,781</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 43,994 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">53,317</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 97,311 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 156,548 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 80,282 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 236,830 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 49,664 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 7,524 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-

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style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 131,210 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">329,611</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 93,658 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">60,841</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 154,499 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Contract Balances The following table presents changes in the Company’s contract liabilities during the nine months ended September 30, 2024:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:40.96%;box-sizing:content-box;"></td> <td style="width:1.38%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.38%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:10.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.38%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:10.58%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.38%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.18%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Balance at<br/>December 31, <br/>2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Additions </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Deductions </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Balance at <br/>September 30, <br/>2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:10pt;vertical-align:top;"> Contract liabilities </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:20pt;vertical-align:top;"> Deferred revenue </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-

align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:30pt;white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,316</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,686 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,597</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 2,405 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:30pt;white-space:pre-wrap;vertical-align:top;"> Total contract liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,316</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,686 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,597</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,405 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr></table> During the nine months ended September 30, 2024, the Company recognized $2.3 million of revenue that was included in deferred revenue as of December 31, 2023. A contract asset is recorded when the Company satisfies a performance obligation by transferring a promised good or service and has earned the right to consideration from its customer. These assets may represent a conditional right to consideration and are included within accounts receivable and other current assets on the consolidated balance sheets. A contract liability is recorded when consideration is received, or such consideration is unconditionally due, from a customer prior to transferring goods or services under the terms of the contract. Contract liabilities are recognized as revenue after control of the products or services is transferred to the customer and all revenue recognition criteria have been met. 1700000200000 In the following tables, revenue is disaggregated by primary geographical region and source of revenue:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:30.346%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.302000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Three Months Ended September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times

*New Roman;margin-bottom:0;text-align:center;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Geographical region </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Asia </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,439 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,801 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,801 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Canada </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-*

space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 6,125 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 6,125 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 633 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 633 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  </tr>  <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;">  <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Europe </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 8,455 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 8,455 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,361 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,361 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  </tr>  <tr style="height:10pt;background-color:#ffffff;word-break:break-word;">  <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Latin America </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,012 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,012 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,176 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,176 </td>  <td style="white-space:nowrap;vertical-align:bottom;">  </td>  </tr>  <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;">  <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 73,309 </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td>  <td

style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 73,309 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"> Total revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">73,309</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 44,031 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">117,340</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 41,784 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">18,971</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 60,755 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:8pt;vertical-align:top;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Source of revenue </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:8pt;margin-top:0;font-family:Times New

Roman;margin-bottom:0;text-align:right;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #fffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #fffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #fffff03;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">13,679</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 13,097 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">26,776</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,249 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">15,663</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 27,912 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#fffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 59,630 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 30,934 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 90,564 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 29,535 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,308 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 32,843 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"> Total revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">73,309</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 44,031 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">117,340</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #fffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-

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style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.502%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:8.302000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Nine Months Ended September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="10" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> U.S. </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> International </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Total </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="22" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Geographical region </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td 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Roman;margin-bottom:0;text-align:left;">Asia </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;">  </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;">  </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 18,071 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;">  </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p 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style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,599 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 11,599 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td 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style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,926 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,735 </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> </tr> <tr style="height:10pt;background-color:#fffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Latin America </td> <td style="white-space:pre-wrap;vertical-align:bottom;">  </td> <td style="white-space:nowrap;vertical-align:bottom;">  </td> <td style="white-space:pre-wrap;vertical-

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style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,065 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,065 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> U.S. </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 198,401 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 198,401 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td 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style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">198,401</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 131,210 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">329,611</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 93,658 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">60,841</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 154,499 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="text-

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style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;border-bottom:0.5pt solid #000000;"> Source of revenue </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> </td> <td 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style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">92,781</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 43,994 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">53,317</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New 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style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 80,282 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 236,830 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-

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</td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 57,188 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr><tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:20pt;white-space:pre-wrap;vertical-align:top;"> Total revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">198,401</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p 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style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 154,499 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr></table> 
443900044390005801000580100061250006125000633000633000845500084550001136100011361000250120002501200011760001176000733090007330900041784000
style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;">The following table presents changes in the Company's contract liabilities during the nine months ended September 30, 2024: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:40.96%;box-sizing:content-box;"></td><td style="width:1.38%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.38%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:10.58%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.38%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:10.58%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.38%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.18%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Balance at<br/>December 31,<br/>2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Additions </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Deductions </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Balance at <br/>September 30, <br/>2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="14" style="vertical-align:bottom;text-align:left;"> (In thousands) </td><td style="vertical-align:bottom;text-align:left;"> </td></tr><tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="text-indent:10pt;vertical-align:top;"> Contract liabilities </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-

family:Times New Roman;margin-bottom:0;text-align:left;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  </tr>  <tr style="height:10pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">  <td style="text-indent:20pt;vertical-align:top;"> Deferred revenue </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:center;">  </td>  <td style="vertical-align:bottom;text-align:center;">  </td>  </tr>  <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;">  <td style="text-indent:30pt;white-space:pre-wrap;vertical-align:top;"> Energy industrial </td>  <td style="white-space:pre-wrap;vertical-align:bottom;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,316</span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;">  </span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;">  </span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,686 </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> $</span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,597</span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New 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style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,316</span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;">  </span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;">  </span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,686 </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">  </td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;">  </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,597</span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td>  <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;">  </span></p></td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td>  <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,405 </td>  <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;">  </td>  </tr>  </table>23160005686000-55970002405000231600056860000-559700024050002300000 (4) Inventories Inventories consist of the following:    <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;">  <tr style="visibility:collapse;">  <td style="width:66.993%;box-sizing:content-box;"></td>  <td style="width:1.62%;box-sizing:content-box;"></td>  <td style="width:1%;box-sizing:content-box;"></td>  <td style="width:12.883000000000001%;box-sizing:content-box;"></td>  <td style="width:1%;box-sizing:content-box;"></td>  <td style="width:1.62%;box-sizing:content-box;"></td>  <td style="width:1%;box-sizing:content-box;"></td>  <td style="width:12.883000000000001%;box-sizing:content-box;"></td>  <td style="width:1%;box-sizing:content-box;"></td>  </tr>  <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">  <td style="vertical-align:bottom;text-align:left;">  </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td>  <td style="vertical-align:bottom;text-align:left;">  </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td>  <td style="vertical-align:bottom;text-align:left;">  </td>  </tr>  <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;">  <td style="vertical-align:bottom;text-align:left;">  </td>  <td style="vertical-align:bottom;">  </td>  <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td>  <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;">  </td>  <td style="vertical-align:bottom;"> <span style="white-space:pre-wrap;min-width:fit-

content;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Raw materials </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">16,054</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 24,735 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Work in process </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 12,226 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 7,936 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Finished goods </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 19,150 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 6,518 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">47,430</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 39,189 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Inventories consist of the following: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.62%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.883000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.62%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.883000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" 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style="color:#000000;min-width:fit-content;">$</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">24,735</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Work in process</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">12,226</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">7,936</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Finished goods</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">19,150</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">6,518</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Total</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 47,430 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 39,189 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
</table>160540002473500012226000793600019150000651800047430000391890000 (5) Property, Plant and Equipment, Net Property, plant and equipment consist of the following: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:80.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:51.25%;box-sizing:content-box;"></td><td style="width:1.25%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.225%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.25%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:9.725%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.25%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:17.05%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;text-align:left;"> Useful </td><td style="vertical-align:bottom;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> life </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;text-align:left;"> </td></tr><tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Construction in progress </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">344,063</span></p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td><td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 314,695 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-

size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Buildings </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,914 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,473 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 30 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Machinery and equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 197,657 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 185,339 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3-10 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Computer equipment and software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9,703 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9,495 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Leasehold improvements </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 24,570 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 23,514 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> Shorter of useful life or lease term </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 602,907 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 558,516 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Accumulated depreciation </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (151,338) </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> <span style="min-width:fit-

content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (141,289 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property, plant and equipment, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">451,569</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 417,227 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> </table>
 Depreciation expense was $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">17.1</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$10.8 million for the nine months ended September 30, 2024 and 2023, respectively. The Company recorded impairment charges of approximately $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">6.8</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million during the nine months ended September 30, 2024, respectively, for equipment that will no longer be needed in manufacturing following customer directed engineering changes to a part it manufactures and for other property, plant and equipment that have become obsolete following development of new and more efficient equipment. Refer to Note 9 - Commitments and Contingencies for a discussion of the claim that the Company has submitted with a customer for reimbursement of losses incurred in connection with the customer directed engineering changes. The impairment charges of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$6.8 million during the nine months ended September 30, 2024 consist of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">4.1</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million impairment included in cost of revenue and </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$2.7 million included in impairment of equipment under development on the Company's consolidated statement of operations. There were no impairments of property, plant and equipment during the nine months ended September 30, 2023. The construction in progress balance at September 30, 2024 and December 31, 2023 included engineering designs and construction costs, and capitalized interest totaling $325.1 million and $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">288.5</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million, respectively, for a planned aerogel manufacturing facility in Bulloch County, Georgia. The Company incurred </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$8.8 million in capitalized interest for the construction in progress in Bulloch County, Georgia. The Company capitalized interest of $0.0 million and $8.8 million for the nine months ended September 30, 2024 and 2023, respectively. Property, plant and equipment consist of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:80.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:51.25%;box-sizing:content-box;"></td> <td style="width:1.25%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.225%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.25%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.725%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.25%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:17.05%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> Useful </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> life </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> 

</td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Construction in progress </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">344,063</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 314,695 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Buildings </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,914 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 25,473 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 30 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Machinery and equipment </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 197,657 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 185,339 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3-10 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Computer equipment and software </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9,703 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 9,495 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3 years </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Leasehold improvements </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 24,570 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 23,514 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> Shorter of useful life or lease term </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 602,907 </td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-

bottom:0;text-align:left;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 558,516 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Accumulated depreciation </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (151,338 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (141,289 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Property, plant and equipment, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">451,569</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 417,227 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> </tr> </table>3440630003146950002691400025473000P30Y19765700018533900OP3YP10Y97030009495000P3Y2457000023514000602907000558516000151338000141289000451" style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;">(6) Accrued Expenses Accrued expenses consist of the following: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:66.84%;box-sizing:content-box;"></td> <td style="width:1.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.100000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Employee compensation </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">15,003</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 16,876 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other accrued expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 11,528 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-

wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,935 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">26,531</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 22,811 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Accrued expenses consist of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:66.84%;box-sizing:content-box;"></td> <td style="width:1.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.100000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:13.14%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#fffffc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#fffffc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#fffffc;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Employee compensation </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">15,003</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 16,876 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#fffffc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other accrued expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 11,528 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,935 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">26,531</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 22,811 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>150030001687600011528000593500026531000228110000 (7) Related Party Transactions Convertible Note During the year ended December 31, 2022, the Company issued a $100.0 million aggregate principal amount convertible note (the 2022 Convertible Note) to Wood River Capital, LLC (Wood River), an entity affiliated with Koch Disruptive Technologies, LLC (Koch), for the planned manufacturing facility in Bulloch County, Georgia, pursuant to that certain Note Purchase Agreement, dated as of February 15, 2022, as amended by that certain Amendment No. 1 to Note Purchase Agreement, dated November 28, 2022 (together, the Note Purchase Agreement). The

Company repurchased the 2022 Convertible Note on August 19, 2024. See Note (8) Convertible Note – Related Party for additional detail. During the nine months ended September 30, 2024, the Company incurred $7.1 million of interest from the 2022 Convertible Note. Other The Company had $2.8 million in accounts payable as of December 31, 2023, due to an entity affiliated with Koch for project management service. On March 27, 2024, we entered into a Settlement and Release Agreement with the affiliate of Koch to settle the accounts payable for $1.2 million, which was paid during the three months ended, June 30, 2024. 10000000071000002800000120000 (8) Convertible Note – Related Party 2022 Convertible Note On February 15, 2022, the Company entered into the Note Purchase Agreement with Wood River, an entity affiliated with Koch, relating to the issuance and sale to Wood River of the 2022 Convertible Note in the aggregate principal amount of $100.0 million. The transactions contemplated by the Note Purchase Agreement closed on February 18, 2022. The maturity date of the 2022 Convertible Note is February 18, 2027, subject to earlier conversion, redemption, or repurchase.  The 2022 Convertible Note is a senior unsecured obligation of the Company and ranks equal in right of payment to all senior unsecured indebtedness of the Company and will rank senior in right of payment to any indebtedness that is contractually subordinated to the 2022 Convertible Note. On August 19, 2024, the Company entered into a note purchase and sale agreement with Wood River (the Note Repurchase Agreement), pursuant to which the Company repurchased from Wood River $123.9 million in aggregate capitalized principal amount (inclusive of PIK interest paid through June 30, 2024) of the 2022 Convertible Note, such aggregate amount being the entire outstanding amount of the 2022 Convertible Note, for a total purchase price of $150.1 million in cash, which amount equals to the Redemption Price (as defined in the 2022 Convertible Note). Pursuant to the Note Repurchase Agreement, all rights and obligations, covenants and agreements under the 2022 Convertible Note and the Note Purchase Agreement were satisfied and discharged. The Redemption Price less capitalized principal amount and accrued interest to redemption date, of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">24.6</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million along with unamortized deferred issuance costs was classified in the income statement as Loss on Extinguishment of Debt.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p><div style="font-size:10pt;font-family:Times New Roman;"><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In accordance with ASU 2020-06, the 2022 Convertible Note is accounted for as a single unit of account and consists of the following:</span></p><table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:66.993%;box-sizing:content-box;"></td><td style="width:1.62%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.883000000000001%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.62%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.883000000000001%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td colspan="2" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">September 30,</span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td colspan="2" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">December 31,</span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">2024</span></p></td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">2023</span></p></td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td colspan="6" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">(In thousands)</span></p></td><td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td></tr><tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Convertible note, principal</span></p></td><td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td><td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> $ </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 100,000 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td></tr><tr style="height:10pt;background-color:#ffffff;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Payment-in-kind </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 18,318 </td><td style="white-space:nowrap;vertical-align:bottom;"> </td></tr><tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Discount on convertible note, net of accumulated amortization </td><td style="white-space:pre-wrap;vertical-align:bottom;"> </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td><td style="white-space:nowrap;vertical-align:bottom;"> </td><td style="white-space:pre-wrap;vertical-align:bottom;"><p

style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (3,209 </td> <td style="white-space:nowrap;vertical-align:bottom;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Debt issuance costs, net of accumulated amortization </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (117 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Convertible note </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 114,992 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> The 2022 Convertible Note does not have current observable inputs such as recent trading prices (Level 1) and was measured at fair value using a combination of option pricing and discounted cash flow models and incorporate management's assumptions for stock price, volatility and risk rate. In general, fair values determined by Level 1 inputs utilize observable inputs such as quoted prices in active markets for identical assets or liabilities. Fair values determined by Level 2 inputs utilize data points that are either directly or indirectly observable, such as quoted prices for similar instruments in active markets, interest rates and yield curves. Fair values determined by Level 3 inputs utilize unobservable data points in which there is little or no market data, which require the Company to develop its own assumptions for the asset or liability. The Company estimated the fair value of the 2022 Convertible Note was approximately $118.2 million as of December 31, 2023. However, as the Company did not elect to utilize the fair value option, it was carried at amortized cost of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">115.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million.</span></p>1000000002027-02-18123900000150100000024600000<p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In accordance with ASU 2020-06, the 2022 Convertible Note is accounted for as a single unit of account and consists of the following:</span></p> <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:66.993%;box-sizing:content-box;"></td> <td style="width:1.62%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.62%;box-sizing:content-box;"></td> <td style="width:12.883000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.62%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.883000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">September 30,</span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">December 31,</span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">2024</span></p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">2023</span></p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="6" style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">(In thousands)</span></p></td> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Convertible note, principal</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 100,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Payment in-kind </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:center;"> 18,318 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> <span style="color:#000000;white-space:pre-wrap;min-

width:fit-content;">Discount on convertible note, net of accumulated amortization </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> (3,209 </td> <td style="white-space:nowrap;vertical-align:bottom;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Debt issuance costs, net of accumulated amortization </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (117 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Convertible note </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">—</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 114,992 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>10000000018318000320900011700011499200011820000011500000 (9) Debt On August 19, 2024, the Borrowers entered into the Credit Agreement, by and among the Borrowers, the Agent, the Lenders and the other parties party thereto as additional guarantors and/or borrowers from time to time. Loans borrowed under the MidCap Loan Facility mature on August 19, 2029. The MidCap Loan Facility is comprised of (i) a term loan facility in an aggregate principal amount of $125 million (the Term Loan Facility) and (ii) an asset-based revolving credit facility in an aggregate principal amount not to exceed the lesser of (A) a $100 million commitment amount and (B) the value of the borrowing base (defined as the sum of (x) 85% of certain eligible accounts of the Borrowers and (y) the lesser of 85% of the NOLV or 85% of the cost of certain eligible inventory of the Borrowers) (the “Revolving Facility”). Loans borrowed under the Term Loan Facility will bear interest rate equal to Term SOFR (as defined in the Credit Agreement) for a one-month interest period plus 4.50% per year, subject to a Term SOFR floor of 4.50% and a Term SOFR cap of 7.50%. Loans borrowed under the Revolving Facility will bear an interest rate equal to Term SOFR plus 4.60% per year, subject to a Term SOFR floor of 2.50%. The Term Loan Facility is subject to amortization of principal, payable quarterly on the last day of each quarter, commencing September 30, 2024, in an amount as set forth in the Credit Agreement with the remaining aggregate principal amount payable on the maturity date. The Borrowers are required to pay the Lenders an exit fee of $2.5 million on the maturity date. The Revolving Facility has a required minimum balance set at 30% of the average borrowing base during the immediate preceding month. The Borrowers are required to pay the Lenders under the Revolving Facility an unused line fee of 0.30% of the average unused availability under the Revolving Facility, subject to the aforementioned minimum balance. The MidCap Loan Facility is guaranteed by the Loan Parties and is secured by a lien on substantially all existing and after-acquired assets of the Loan Parties, including the equity interest in Aspen RI and Aspen Georgia, owned by the Company, in each case, subject to customary exceptions. Aspen Georgia is not a guarantor and its assets are excluded from the collateral under the Credit Agreement, subject to its entrance into a loan facility within one year from the closing date of the MidCap Loan Facility. Once Aspen Georgia enters into the loan facility within such one-year period, the lien granted by the Company on the equity interest of Aspen Georgia will be released. If Aspen Georgia does not enter into the loan facility within such one-year period, Aspen Georgia will be obligated to become a Loan Party under the MidCap Loan Facility and pledge substantially all of its assets as security for the obligations thereunder. The Credit Agreement includes representations and warranties, affirmative covenants (including reporting obligations), negative covenants and events of default that are usual and customary for facilities of this type, in each case, subject to certain permitted exceptions as set forth therein. The Credit Agreement includes financial covenants for the benefit of the Lenders, including (i) a covenant to maintain Liquidity (as defined therein) equal to or greater than $75 million at all times and (ii) a covenant to maintain EBITDA (as defined therein) equal to or greater than the specified applicable amount set forth in the Credit Agreement, tested quarterly with the first test set at $45 million commencing with the fiscal quarter ended September 30, 2024. The Borrowers will have the right to prepay the loans outstanding under the MidCap Loan Facility (or, with respect to the Revolving Facility, terminate the commitments thereunder), subject to a premium equal to 3.0% of the amount prepaid or terminated, as applicable, during the first year after the closing date, which premium will be decreased to 2.0% during the second year after the closing date and to 1.0% thereafter. The Borrowers will be required to mandatorily prepay the loans outstanding under the Term Loan Facility with, among other things, certain casualty insurance proceeds or proceeds from non-ordinary course assets sales (which will also be subject to the aforementioned premium). The Borrowers will be required to mandatorily prepay the balance outstanding under the Revolving Facility (i) if the outstandings exceed the borrowing base in an aggregate amount equal to that excess or (ii) upon a cash dominion event of all the funds deposited in the lockbox account during the cash dominion period. A cash dominion event is triggered upon an event of default or if the Liquidity is less than $100 million. <p style="text-indent:4.533%;font-size:10pt;margin-

top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;">MidCap debt consists of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:56.28%;box-sizing:content-box;"></td> <td style="width:4.3%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:37.42%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> September 30, </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Term loan </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 125,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exit fee </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 85 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Term loan issuance costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (5,161 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total debt </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 119,924 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Current portion </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,250 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Long term portion </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93,674 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> </table> The revolving line of credit had an outstanding balance of $42.7 million as of September 30, 2024, net of unamortized issuance costs.
1250000001000000000.850.850.850.0450.0450.0750.0460.02525000000.300.003The Credit Agreement includes representations and warranties, affirmative covenants (including reporting obligations), negative covenants and events of default that are usual and customary for facilities of this type, in each case, subject to certain permitted exceptions as set forth therein. The Credit Agreement includes financial covenants for the benefit of the Lenders, including (i) a covenant to maintain Liquidity (as defined therein) equal to or greater than $75 million at all times and (ii) a covenant to maintain EBITDA (as defined therein) equal to or greater than the specified applicable amount set forth in the Credit Agreement, tested quarterly with the first test set at $45 million commencing with the fiscal quarter ended September 30, 2024.7500000045000000.030.020.01100000000 MidCap debt consists of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:100.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:56.28%;box-sizing:content-box;"></td> <td style="width:4.3%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:37.42%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> September 30, </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Term loan </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-

align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 125,000 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Exit fee </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 85 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Term loan issuance costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (5,161 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total debt </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 119,924 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Current portion </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 26,250 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Long term portion </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93,674 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr></table>12500000085000516100011992400026250000936740004270000 (10) Commitments and Contingencies Cloud Computing Agreement The Company is party to multiple cloud computing agreements that are service contracts for enterprise resource planning software and payroll services. The amortization period of a cloud computing agreement was adjusted during the three months ended March 31, 2024 to align with implementation of a new agreement that will begin to amortize during 2025. The amortization associated with the payroll services agreement began during the three months ended September 30, 2024 and will amortize over a period of five years. The capitalized implementation costs are classified on the consolidated balance sheets as follows:   <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:54.84%;box-sizing:content-box;"></td> <td style="width:1.9%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:18.5%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:2.24%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:18.52%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cloud computing costs included in other current assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">780</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 420 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cloud computing costs included in other assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 2,691 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-

size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,590 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Amortization of cloud computing costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (578 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> (662 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total capitalized cloud computing costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,893</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 1,348 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> Thermal Barrier Contracts The Company is party to production contracts with General Motors to supply fabricated, multi-part thermal barriers (Barriers) for use in the battery system of its next-generation electric vehicles (Contracts). Pursuant to the Contracts, the Company is obligated to supply Barriers at fixed annual prices and at volumes to be specified by General Motors up to a daily maximum quantity through the respective terms of the agreements, which expire at various times from 2026 through 2034. While General Motors has agreed to purchase its requirement for Barriers from the Company for locations to be designated from time to time by General Motors, it has no obligation to purchase any minimum quantity of Barriers under the Contracts. In addition, General Motors may terminate the Contracts at any time and for any or no reason. All other terms of the Contracts are generally consistent with General Motors' standard purchase terms, including quality and warranty provisions customary in automotive industry. Charges for Engineering Change In January 2024, the Company was notified by a customer of an engineering change to one of the parts the Company manufactures for that customer to enable incremental productivity and support a set of broader system level changes that could drive higher demand for its parts. The Company has submitted claims to the customer for reimbursement for estimated inventory and equipment losses incurred by the Company and its vendors due to potential obsolescence. In connection with the same, during the three months ended March 31, 2024, the Company recognized a charge of $6.8 million, net of contractual recoverable of $1.9 million, in cost of revenues for inventory obsolescence and impairment of equipment. During the three months ended June 30, 2024, the customer approved reimbursement of parts of the claim totaling $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">4.2</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million for equipment losses incurred by the Company and its vendors, which is recognized as an offset to the charge the Company recognized in the three months ended, March 31, 2024 in cost of revenues. During the </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">three months ended September 30, 2024, the customer approved the remaining claims related to inventory obsolescence of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$2.2 million, in addition to the contractual recoverable amount, which is recognized as an offset to the charge recognized in the three months ended, March 31, 2024 in cost of revenues. Federal, State and Local Environmental Regulations The Company is subject to federal, state and local environmental laws and regulations. These laws generally provide for control of pollutants released into the environment and require responsible parties to undertake remediation. Penalties may be imposed for noncompliance. Litigation The Company is, from time to time, a party to litigation that arises in the normal course of its business operations. See Part II, Item 1 “Legal Proceedings” of this Quarterly Report on Form 10-Q for a description of certain of the Company’s current legal proceedings. The Company is not presently a party to any litigation for which it believes a loss is probable requiring an amount to be accrued or a possible loss contingency requiring disclosure. Purchase Commitments As of September 30, 2024, the Company had purchase commitments of approximately $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">240.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million, which included capital commitments of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$175.3 million. Purchase commitments related to capital expenditures are anticipated to be spent over the next three years, while the Company's remaining purchase commitments are anticipated to be spent throughout 2024. Purchase obligations relate primarily to open purchase orders for capital expenditures, inventories, and goods and services. Purchase obligations are entered into with various vendors in the normal course of business and are consistent with the Company's expected requirements. Warranty The Company offers warranties to its customers depending upon the specific product. The Company’s standard warranty period for energy industrial products extends to one year from the date of shipment. This standard warranty provides that the Company’s products will be free from defects in material and workmanship, and will, under normal use, conform to the specifications for the product. The Company’s thermal barrier products provide quality and warranty provisions customary in the automotive industry. The Company recorded warranty reserves related to its thermal barrier products of $1.1 million during the nine months ended September 30, 2024 and $0.2<span

style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million during the nine months ended September 30, 2023. P5YThe capitalized implementation costs are classified on the consolidated balance sheets as follows:   <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:90.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:54.84%;box-sizing:content-box;"></td> <td style="width:1.9%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:18.5%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:2.24%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:18.52%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cloud computing costs included in other current assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">780</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p 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#000000;text-align:center;"> (578 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (662 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total capitalized cloud computing costs </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double 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Under these agreements, the Company is obligated to pay annual rent, real estate taxes, and certain other operating expenses. The Company also leases equipment under operating leases. The Company's operating leases expire at various dates through 2034. The Company determines if an arrangement is a lease at inception. Right-of-use (ROU) assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's payment obligations under the lease. Operating lease ROU assets and liabilities are recognized based on the present value of lease payments over the lease term. To measure its lease liabilities, the Company uses its incremental borrowing rate or the rate implicit in the lease, if available. The Company calculates its incremental borrowing rate using a synthetic credit rating analysis

based on Moody's Building Materials Industry Rating Methodology. ROU assets also include any direct costs and prepaid lease payments but exclude any lease incentives received. The Company's lease terms may include options to extend or terminate the lease when it is reasonably certain that the Company will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term. The Company elected the short-term lease recognition exemption for all leases that qualify. For leases that qualify for this exemption, the Company does not recognize ROU assets or lease liabilities. For lease agreements with lease and non-lease components, the Company accounts for each component separately. However, in the case of equipment leases, the Company accounts for lease and non-lease components as a single component. Maturities of operating lease liabilities as of September 30, 2024 are as follows:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:75.56%;box-sizing:content-box;"></td> <td style="width:2.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:19.98%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> Year </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> Operating<br/>Leases </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> 2024 (excluding the nine months ended September 30, 2024) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">1,523</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2025</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">6,110</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2026</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,598</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2027</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">4,695</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2028</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">4,599</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Thereafter</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p 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style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Total lease payments</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">41,863</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Less imputed interest</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">14,940</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"><p style="margin-left:10pt;text-indent:0;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Total lease liabilities</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 26,923 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table>  The Company incurred operating lease costs of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">4.3</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$4.2 million during the nine months ended September 30, 2024 and 2023, respectively. Cash payments related to operating lease liabilities were $<span style="font-size:10pt;font-

family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">4.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">3.6</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million during the nine months ended September 30, 2024 and 2023, respectively.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">As of September 30, 2024, the weighted average remaining lease term for operating leases was </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">7.8</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> years. As of September 30, 2024, the weighted average discount rate for operating leases was </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">12.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">%</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">As of September 30, 2024, the Company had an additional operating equipment lease that will commence during 2024 with total lease payments of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;white-space:pre-wrap;min-width:fit-content;color:#000000;">0.3</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and a weighted average lease term of </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">5.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">years.</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">As of September 30, 2024, the Company had no additional operating real estate leases that would commence during 2024.</span></p><p style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;font-size:10pt;font-family:Times New Roman;font-style:italic;min-width:fit-content;">Sale and leaseback transaction</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In January 2024, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">5.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The monthly lease rents will be paid over the term of </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">three years</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> and will be allocated between interest expense and principal repayment of the financial liability.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">In </span><span style="font-size:10pt;font-family:Times New Roman;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">September 2024</span></span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">, the Company entered into a sale and leaseback arrangement, pursuant to which the Company sold certain equipment to an equipment leasing company for a one-time cash payment of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">10.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and leased back such equipment from the leasing company. The transaction was considered as a failed sale and leaseback transaction and accordingly, was accounted as a financing transaction. The Company did not recognize a gain on any of the proceeds received from the lessor that contractually constitute payments to acquire the assets subject to these arrangements. Instead, the sale proceeds received were accounted for as finance obligations. The monthly lease rents will be paid over the term of three years and will be allocated between interest expense and principal repayment of the financial liability.</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The outstanding finance obligation balance as of September 30, 2024 was </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">14.1</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million</span></p>2034<p style="text-indent:4.533%;font-size:10pt;margin-top:12pt;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">Maturities of operating lease liabilities as of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">September 30, 2024 are as follows:</span></p><p style="text-indent:4.533%;font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> </span></p> <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:75.56%;box-sizing:content-box;"></td> <td style="width:2.46%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:19.98%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">Year</span></p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">Operating<br/>Leases</span></p></td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="color:#000000;white-space:pre-wrap;font-weight:bold;min-width:fit-content;">(In thousands)</span></p></td> <td style="vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2024 (excluding the nine months ended September 30, 2024)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">1,523</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2025</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">6,110</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2026</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">5,598</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2027</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">4,695</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2028</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">4,599</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Thereafter</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-

*align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 19,338 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total lease payments </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 41,863 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Less imputed interest </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (14,940 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total lease liabilities </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 26,923 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> 
1523000611000055980004695000459900019338000418630001494000026923000430000042000004000000.03600000P7Y9M18D0.12300000P5Y5000000P3YSeptember 20241000000014100000 (12) Stock based compensation During the nine months ended September 30, 2024, the Company granted 242,279 restricted common stock units (RSUs) with an aggregate grant date fair value of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">4.0</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and non-qualified stock options (NSOs) to purchase </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">569,301</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> shares of common stock with an aggregate grant date fair value of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$6.4 millionn to employees under its equity incentive plans. The restricted common stock and NSOs granted to employees will typically vest over a three-year period. During the nine months ended September 30, 2024, the Company also granted 13,264 shares of restricted common stock with a grant date fair value of $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.4</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million and NSOs to purchase </span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">11,618</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> shares of common stock with a grant date fair value of </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$0.2 million to its non-employee directors under the 2023 Equity Plan. The RSUs and NSOs granted to non-employee directors will typically vest over a one-year period. Stock-based compensation is included in cost of revenue or operating expenses, as applicable, and consists of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:50.38%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-*

bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cost of product revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">186</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">545</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 420 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Research and development expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 188 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 255 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 891 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 510 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Sales and marketing expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 456 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 378 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,241 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,110 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> General and administrative expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,800 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 2,063 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 7,630 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> <span style="min-width:fit-

content;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,726 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> Total stock-based compensation </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,630</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,789 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">10,307</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 7,766 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> The 2023 Equity Plan was approved by stockholders at the Company's annual meeting of stockholders on June 1, 2023 as the successor to the Company's 2014 Employee, Director and Consultant Equity Incentive Plan (the 2014 Equity Plan), and no further awards may be made under the 2014 Equity Plan after that date. As of September 30, 2024, 5,012,394 shares of common stock were reserved for issuance upon the exercise or vesting of outstanding stock-based awards granted under the Company's equity incentive plans. Any cancellations or forfeitures of awards outstanding under the 2023 Equity Plan, the 2014 Equity Plan or the 2001 Equity Incentive Plan, as amended (the 2001 Equity Plan) will result in the shares reserved for issuance pursuant to such awards becoming available for grant under the 2023 Equity Plan. As of September 30, 2024, the Company has either reserved in connection with statutory tax withholdings or issued a total of 6,609,298 shares under the Company's equity incentive plans. As of September 30, 2024, there were 2,180,098 shares of common stock available for future grant under the 2023 Equity Plan. On March 5, 2024, the Compensation and Leadership Development Committee (the Committee) of the Board of Directors of the Company approved the cancellation of the outstanding, unearned portion of the performance-based restricted shares granted to certain employees pursuant to the 2014 Equity Plan on June 29, 2021 (to Donald R. Young) and June 2, 2022 (to certain other employees). The Committee determined that based on current market conditions, the likelihood of achievement of any of the remaining performance hurdles applicable to the unearned restricted shares is remote, and that the unearned restricted shares therefore had ceased to have incentive value for the grantees. On March 6, 2024, the Company entered into cancellation agreements, pursuant to which the applicable employees agreed to such cancellation. The cancelled unearned restricted shares were added to the number of shares available for awards under the Company's 2023 Equity Incentive Plan. For financial accounting purposes, the cancellation of the unearned restricted shares resulted in the immediate charge of approximately $2.2 million of unamortized stock compensation costs of which $2.0 million is included in the general and administrative expenses and $0.2 million is included in research and development expenses in the accompanying consolidated statement of operations. 2422794000000569301640000OP3YP3Y1326440000011618200000P1YP1Y Stock-based compensation is included in cost of revenue or operating expenses, as applicable, and consists of the following: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:50.38%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:9.184000000000001%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-

align:center;">2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> (In thousands) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Cost of product revenue </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">186</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">545</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:left;"><p style="font-size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 420 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Research and development expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 188 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 255 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 891 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 510 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Sales and marketing expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 456 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 378 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,241 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,110 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> General and administrative expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,800 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid 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18600093000545000420000188000255000891000510000456000378000124100011100001800000206300076300005726000263000027890000103070007766000501239466
style="font-size:10pt;margin-top:18pt;font-family:Times New Roman;margin-bottom:0;text-align:left,">(13) Net Income (Loss) Per Share <span
style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">The computation of basic and diluted net income (loss) per share consists of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:76.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:38.96%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;text-align:left;"> (In thousands, except<br/>share and per share data) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Numerator: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p

style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Net income (loss) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">12,970</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (13,073 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,013</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (45,292 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Denominator: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Weighted average shares outstanding, basic </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 76,261,294 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 76,402,123 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 69,317,805 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 76,402,123 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 69,317,805 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 79,149,193 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 69,243,843 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Net income (loss) per share, basic </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td

style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.17 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.19</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.03 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.65</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Net income (loss) per share, diluted</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.17 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.19</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.03 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.17</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.03 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.65 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> </tr></table> Potentially dilutive common shares that were excluded from the computation of diluted net (loss) income per share because they were anti-dilutive consist of the following: <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:38.128%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.422%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.422%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.422%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:12.603%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td><td style="vertical-align:bottom;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;"> </td><td style="vertical-align:bottom;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"><td style="vertical-align:bottom;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td><td style="vertical-align:bottom;"> </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td></tr><tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"><td style="white-space:pre-wrap;vertical-align:top;"> Common stock options </td><td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td><td style="white-

space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,453,006 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,462,015 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 110,900 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,462,015 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Restricted common stock units </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 559,389 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 568,469 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,957 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 568,469 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Restricted common stock awards </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 13,264 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 889,366 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 824 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 3,862,221 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,862,221 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 5,025,659 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 10,782,071 </td> <td style="white-space:nowrap;vertical-

align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 113,681 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 10,782,071 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> The potential dilutive shares from common stock options, restricted common stock units, restricted common stock awards, and the convertible note were excluded from the calculation of diluted net income (loss) per share because their effect would have been anti-dilutive for the periods presented. The Company excludes the shares issued in connection with restricted stock awards from the calculation of basic weighted average common shares outstanding until the restrictions lapse. The computation of basic and diluted net income (loss) per share consists of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:76.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:38.96%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.22%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.040000000000001%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;text-align:left;"> (In thousands, except <br/>share and per share data) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"> Numerator: </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:center;"> </td> <td style="vertical-align:bottom;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Net income (loss) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (12,970 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-

bottom:0;text-align:left;">$</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">13,073</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 2,013 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">45,292</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Denominator:</span></p></td> <td style="vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td colspan="2" style="vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td 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<td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">76,261,294</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p 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style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">76,261,294</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td 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style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">79,149,193</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">69,243,843</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Net income (loss) per share, basic</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.17 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.19</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.03 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-

bottom:0;text-align:left;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.65</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">Net income (loss) per share, diluted</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> (0.17 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">0.19</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 0.03 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (0.65 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> </tr> </table>-12970000-130730002013000-45292000762612946931780576402123692438437626129469317805791491936924384 3-0.17-0.190.03-0.65-0.17-0.190.03-0.65 Potentially dilutive common shares that were excluded from the computation of diluted net (loss) income per share because they were anti-dilutive consist of the following:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:70.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:38.128%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.422%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.422%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.422%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:12.603%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Common stock options </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 4,453,006 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,462,015 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 110,900 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-

align:center;"> 5,462,015 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Restricted common stock units </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 559,389 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 568,469 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 1,957 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 568,469 </td> <td style="white-space:nowrap;vertical-align:bottom;"> Restricted common stock awards </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 13,264 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 889,366 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 824 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 889,366 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Convertible note, if converted </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,862,221 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,862,221 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> — </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td 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#ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 10,782,071 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
</table>445300654620151109005462015559389568469195756846913264889366824889366038622210386222150256591078207111368110782071 (14) Income Taxes <span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-

content;">The Company incurred net operating loss and income for the three and nine months ended September 30, 2024, respectively. The Company incurred net operating losses and recorded a full valuation allowance against net deferred tax assets for all prior periods. Accordingly, the Company has not recorded a provision for federal or state income taxes for the three and nine months ended September 30, 2024. The Company has provided $</span><span style="font-size:10pt;font-family:Times New Roman;color:#000000;white-space:pre-wrap;min-width:fit-content;">0.3</span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;"> million of income tax expense related to its Mexican maquiladora operations for the three months ended September 30, 2024. The Company has provided </span><span style="color:#000000;white-space:pre-wrap;font-size:10pt;font-family:Times New Roman;min-width:fit-content;">$1.9 million of income tax expense related to its Mexican maquiladora operations for the nine months ended September 30, 2024. 3000001900000 (15) Segment Information Operating segments are identified as components of an enterprise about which separate, discrete financial information is available for evaluation by the chief operating decision maker in making decisions on how to allocate resources and assess performance. The Company's chief operating decision maker is the Chief Executive Officer. The Company's chief operating decision maker reviews consolidated operating results to make decisions about allocating resources and assessing performance for the entire Company. The Company reports two segments: Energy Industrial and Thermal Barrier. The Company evaluates segment performance based on the segment profit (loss) before corporate expenses. Summarized below are the Revenue and Segment Operating Profit for each reporting segment:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:98.0%;border-collapse:separate;margin-right:auto;"><tr style="visibility:collapse;"><td style="width:15.612%;box-sizing:content-box;"></td><td style="width:1.041%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:7.507999999999999%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.041%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:7.507999999999999%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.041%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:7.507999999999999%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td><td style="width:1.041%;box-sizing:content-box;"></td><td style="width:1%;box-sizing:content-box;"></td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Revenue </td><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Segment Operating Profit (Loss) </td><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;text-align:left;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Revenue </td><td style="vertical-align:bottom;text-align:left;">  </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td><td style="vertical-align:bottom;text-align:left;">  </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td><td style="vertical-align:bottom;text-align:left;">  </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"><td style="vertical-align:bottom;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;">  </td><td style="vertical-align:bottom;">  </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;">  </td><td style="vertical-align:bottom;text-align:left;">  </td><td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;">  </td></tr><tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"><td style="vertical-align:bottom;">  </td><td style="vertical-align:bottom;">  </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td><td style="vertical-align:bottom;">  </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td><td style="vertical-align:bottom;">  </td><td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td><td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;">  </td><td style="vertical-align:bottom;">  </td><td colspan="2" style="vertical-

align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">26,776</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 27,912 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">10,733</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,825 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">92,781</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 97,311 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">37,750</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 24,246 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 90,564 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 32,843 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 38,310 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 7,985 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New

Roman;margin-bottom:0;text-align:right;">236,830 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 57,188 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 98,014 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,057 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">117,340</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 60,755 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">49,043</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 13,810 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">329,611</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 154,499 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">135,764</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 27,303 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Corporate expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 31,643 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 28,444 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-

wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 95,942 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 77,889 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Operating profit (loss) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 17,400 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (14,634 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 39,822 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (50,586 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other (expense) income, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 30,103 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,561 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,294 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Income tax expense </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> <span style="white-

space:pre-wrap;min-width:fit-content;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (267 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> - </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (1,889 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">12,970</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (13,073 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,013</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (45,292 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> </tr> </table>  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:99.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:49.655%;box-sizing:content-box;"></td> <td style="width:2.371%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:21.003%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:2.371%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:20.598%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> Total Assets </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-

align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">97,575</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93,168 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 172,582 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 118,565 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total assets of reportable segments </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 270,157 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 211,733 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Construction in progress </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 344,041 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 314,678 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> All other corporate assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 168,389 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 176,637 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">782,587</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 703,048 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> </table> 2 Summarized below are the Revenue and Segment Operating Profit for each reporting segment:  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:98.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:15.612%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td

*style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:1.041%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:7.507999999999999%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Revenue </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Segment Operating Profit (Loss) </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Revenue </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Segment Operating Profit (Loss) </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Three Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;text-align:left;"> Nine Months Ended </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td colspan="14" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="14" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"><p style="font-*

size:8pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:center;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">26,776</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 27,912 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">10,733</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 5,825 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">92,781</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 97,311 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">37,750</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 24,246 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 90,564 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 32,843 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 38,310 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 7,985 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 236,830 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 57,188 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 98,014 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 3,057 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 117,340 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-

size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">60,755</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 49,043 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">13,810</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 329,611 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">154,499</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 135,764 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 27,303 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Corporate expenses </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 31,643 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 28,444 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 95,942 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 77,889 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Operating profit (loss) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 17,400 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-

wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (14,634 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 39,822 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (50,586 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Other (expense) income, net </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (30,103 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 1,561 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (35,920 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 5,294 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Income tax expense </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> (267 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #fffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> - </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> <span style="color:#000000;white-

space:pre-wrap;min-width:fit-content;">(1,889 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> - </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Net income (loss) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">(</span><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">12,970</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">)</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (13,073 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td colspan="2" style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">2,013</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> (45,292 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> ) </td> </tr> </table>  <table style="margin-left:auto;border-spacing:0;table-layout:fixed;width:99.0%;border-collapse:separate;margin-right:auto;"> <tr style="visibility:collapse;"> <td style="width:49.655%;box-sizing:content-box;"></td> <td style="width:2.371%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:21.003%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:2.371%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> <td style="width:20.598%;box-sizing:content-box;"></td> <td style="width:1%;box-sizing:content-box;"></td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> Total Assets </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;"> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> September 30, </td> <td style="vertical-align:bottom;text-align:left;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;text-align:left;"> December 31, </td> <td style="vertical-align:bottom;text-align:left;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2024 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="2" style="vertical-align:bottom;border-bottom:0.5pt solid #000000;"> 2023 </td> <td style="vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:8pt;background-color:#ffffff;white-space:pre-wrap;word-break:break-word;text-align:left;"> <td style="vertical-align:bottom;"> </td> <td style="vertical-align:bottom;"> </td> <td colspan="6" style="vertical-align:bottom;"> (In thousands) </td> <td style="vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Energy industrial </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">97,575</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 93,168 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> <span style="color:#000000;white-space:pre-wrap;min-width:fit-

content;">Thermal barrier </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 172,582 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 118,565 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Total assets of reportable segments </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 270,157 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 211,733 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> Construction in progress </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 344,041 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 314,678 </td> <td style="white-space:nowrap;vertical-align:bottom;"> </td> </tr> <tr style="height:10pt;background-color:#ffffff;word-break:break-word;"> <td style="white-space:pre-wrap;vertical-align:top;"> All other corporate assets </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;text-align:center;"> 168,389 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #000000;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;text-align:center;"> 176,637 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:0.5pt solid #ffffff03;"> </td> </tr> <tr style="height:10pt;background-color:#cff0fc;word-break:break-word;"> <td style="text-indent:10pt;white-space:pre-wrap;vertical-align:top;"> </td> <td style="white-space:pre-wrap;vertical-align:bottom;"> </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"> $</span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:right;"><span style="color:#000000;white-space:pre-wrap;min-width:fit-content;">782,587</span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="min-width:fit-content;"> </span></p></td> <td style="white-space:pre-wrap;vertical-align:bottom;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="white-space:pre-wrap;min-width:fit-content;"> </span></p></td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #000000;"><p style="font-size:10pt;margin-top:0;font-family:Times New Roman;margin-bottom:0;text-align:left;"><span style="color:#000000;min-width:fit-content;">$ </td> <td style="white-space:pre-wrap;vertical-align:bottom;border-bottom:2.25pt double #000000;text-align:center;"> 703,048 </td> <td style="white-space:nowrap;vertical-align:bottom;border-bottom:2.25pt double #ffffff03;"> </td> </tr>
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45292000975750009316800017258200011856500027015700021173300034404100031467800016838900017663700078258700070304800 (16) Subsequent Events The Company has evaluated subsequent events through November 7, 2024, the date of issuance of the consolidated financial statements for the three and nine months ended September 30, 2024. In October 2024, the Company entered into an underwriting agreement (the Underwriting Agreement) with Goldman Sachs & Co. LLC and Morgan Stanley & Co. LLC (collectively, the Underwriters), pursuant to which the Company issued and sold an aggregate of 4,887,500 shares of the Company’s common stock, which included 637,500 shares pursuant to the Underwriters’ option to purchase additional shares of common stock of the Company, to the Underwriters in a registered underwritten offering (the “Offering”). The price to the public in the Offering was $20.00 per share. The net proceeds to the Company from the Offering were approximately $93.2 million, after deducting underwriting discounts and commissions and estimated offering expenses payable by the Company. 488750063750020932000000None of our directors or executive officers adopted, modified or terminated any contract, instruction or written plan for the purchase or sale of our securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any “non-Rule 10b5-1 trading arrangement” as such term is defined in Item 408(a) of Regulation S-K, during the fiscal quarter ended September 30, 2024.falsefalsefalsefalsefalsefalse

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