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jurisdiction of incorporation or organization) Â (I.R.S. Employer Identification No.) Â 100 Washington Street, Suite 100, Reno, NV 89503 (Address of principal executive offices, including zip code) Â (775) 473-4744 (Registrantâ€™s telephone number, including area code) Â Securities registered pursuant to Section 12(b) of the Act: Â Title of Each Class Â Trading Symbol(s) Â Name of Each Exchange on Which Registered Common stock, $0.001 par value Â ABAT Â The Nasdaq Stock Market LLC Â Indicate by check mark whether the registrant (1) filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12 months (or for such shorter quarter that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes â˜’ No â˜ Â Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (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˜ 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 Â Large accelerated filer â˜ Accelerated filer â˜ Â Non-accelerated filer â˜’ Smaller reporting company â˜’ Â Emerging growth company â˜ 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˜ Â Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act) Yes â˜ No â˜’ Â The number of shares of common stock outstanding as of February 10, 2025 was 84,658,010. Â Â Â Â Â Â American Battery Technology Company and Subsidiaries Index to Form 10-Q Â Part I â€“ Financial Information (unaudited) 3 Â Â Â Â Â Item 1 Unaudited Financial Statements 3 Â Â Â Â Â Â Condensed Consolidated Balance Sheets as of December 31, 2024 and June 30, 2024 3 Â Â Â Â Â Â Condensed Consolidated Statements of Operations for the Three and Six Months Ended December 31, 2024 and 2023 4 Â Â Â Â Â Â Condensed Consolidated Statements of Stockholdersâ€™ Equity for Three and Six Months Ended December 31, 2024 and 2023 5 Â Â Â Â Â Â Condensed Consolidated Statements of Cash Flows for the Six Months Ended December 31, 2024 and 2023 6 Â Â Â Â Â Â Notes to Condensed Consolidated Financial Statements 7 Â Â Â Â Â Item 2 Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations 25 Â Â Â Â Â Item 3 Quantitative and Qualitative Disclosures about Market Risk 30 Â Â Â Â Â Item 4 Controls and Procedures 30 Â Â Â Â Part II. Other Information 32 Â Â Â Â Â Item 1 Legal Proceedings 32 Â Â Â Â Â Item 1A Risk Factors 32 Â Â Â Â Â Item 2 Unregistered Sales of Equity Securities and Use of Proceeds 32 Â Â Â Â Â Item 3 Defaults Upon Senior Securities 32 Â Â Â Â Â Item 4 Mine Safety Disclosures 32 Â Â Â Â Â Item 5 Other Information 33 Â Â Â Â Â Item 6 Exhibits 33 Â Â Â Â Signatures 34 Â 2 Â Â PART I â€“ FINANCIAL INFORMATION Â Item 1. Financial Statements Â AMERICAN BATTERY TECHNOLOGY COMPANY Unaudited Condensed Consolidated Balance Sheets Â Â Â December 31, 2024Â Â June 30, 2024Â ASSETSÂ Â Â Â Â Â Â Â CashÂ $15,623,762Â Â $7,001,786Â Accounts receivableÂ Â 323,975Â Â Â 228,499Â Inventory (Note 4)Â Â 574,103Â Â Â 154,320Â Grants receivable (Note 5)Â Â 27,119Â Â Â 191,522Â Prepaid expenses and depositsÂ Â 527,230Â Â Â 1,813,050Â Subscription receivable (Note 13)Â Â -Â Â Â 608,333Â Restricted cashÂ Â 5,000,000Â Â Â -Â Assets held-for-sale (Note 7)Â Â 8,408,538Â Â Â 8,408,538Â Total current assetsÂ Â 30,484,727Â Â Â 18,406,048Â Â Â Â Â Â Â Â Â Â Property, plant and equipment, net (Note 7)Â Â 44,534,680Â Â Â 46,314,966Â Mining properties (Note 8)Â Â 8,392,977Â Â Â 8,392,977Â Intangible assets (Note 9)Â Â 4,519,038Â Â Â 4,519,038Â Right-of-use asset (Note 12)Â Â 357,431Â Â Â 42,103Â Total assetsÂ $88,288,853Â Â $77,675,132Â Â Â Â Â Â Â Â Â Â LIABILITIES & STOCKHOLDERSâ€™ EQUITYÂ Â Â Â Â Â Â Â Accounts payable and accrued liabilities (Note 10)Â $7,167,414Â Â $9,233,806Â Right-of-use lease liability â€“ operatingÂ Â 108,600Â Â Â 117,131Â Notes payable, current (Note 11)Â Â 10,165,377Â Â Â 6,447,361Â Total current liabilitiesÂ Â 17,441,391Â Â Â 15,798,298Â Â Â Â Â Â Â Â Â Â Right-of-use lease liability â€“ operating â€“ long-termÂ Â 250,416Â Â Â -Â Equity compensation liability (Note 15)Â Â -Â Â Â 409,194Â Total liabilitiesÂ Â 17,691,807Â Â Â 16,207,492Â Â Â Â Â Â Â Â Â Â Commitments and contingencies (Note 17)Â Â â€“Â Â Â â€“Â Â Â Â Â Â Â Â Â Â Stockholdersâ€™ Equity:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Series A Preferred Stock Authorized: 33,334 preferred shares, par value of $0.001 per share; Issued and outstanding: nil preferred shares as of December 31, 2024 and June 30, 2024.Â Â â€“Â Â Â â€“Â Series B Preferred Stock Authorized: 133,334 preferred shares, par value of $10.00 per share; Issued and outstanding: nil preferred shares as of December 31, 2024 and June 30, 2024.Â Â -Â Â Â -Â Series C Preferred Stock Authorized: 66,667 preferred shares, par value of $10.00 per share; Issued and outstanding: nil preferred shares as of December 31, 2024 and June 30, 2024.Â Â â€“Â Â Â â€“Â Series D Preferred Stock Authorized: 5 preferred shares, par value of $0.001 per share; Issued and outstanding: nil preferred shares as of December 31, 2024 and June 30, 2024.Â Â -Â Â Â -Â Preferred stock valueÂ Â â€“Â Â Â â€“Â Common Stock Authorized: 250,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 84,392,375 and 64,061,763 common shares as of December 31, 2024, and June 30, 2024, respectivelyÂ Â 84,390Â Â Â 64,059Â Additional paid-in capitalÂ Â 310,351,869Â Â Â 275,589,383Â Common stock issuableÂ Â (1,415,806)Â Â (857,470) Accumulated deficitÂ Â (238,423,407)Â Â (213,328,332) Total stockholdersâ€™ equityÂ Â 70,597,046Â Â Â 61,467,640Â Total liabilities and stockholdersâ€™ equityÂ $88,288,853Â Â $77,675,132Â Â The accompanying notes are an integral part of these condensed consolidated unaudited financial statements. Â 3 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Unaudited Condensed Consolidated Statements of Operations Â Â Â Three months ended December 31, 2024Â Â Three months ended December 31, 2023Â Â Six months ended December 31, 2024Â Â Six months ended December 31, 2023Â RevenueÂ $332,440Â Â $â€“Â Â $534,400Â Â $â€“Â Cost of goods soldÂ Â 3,305,743Â Â Â â€“Â Â Â 5,848,384Â Â Â â€“Â Gross lossÂ Â (2,973,303)Â Â â€“Â Â Â (5,313,984)Â Â â€“Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Expenses:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â General and administrativeÂ $7,673,022Â Â $4,416,716Â Â $12,682,863Â Â $7,470,713Â Research and developmentÂ Â 2,919,865Â Â Â 3,569,167Â Â Â 4,952,000Â Â Â 7,183,018Â Exploration costsÂ Â 234,568Â Â Â 823,425Â Â Â 655,075Â Â Â 2,173,345Â Total operating expensesÂ Â 10,827,455Â Â Â 8,809,308Â Â Â 18,289,938Â Â Â 16,827,076Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss before other income (expense)Â Â (13,800,758)Â Â (8,809,308)Â Â (23,603,922)Â Â (16,827,076) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense)Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest income (expense)Â Â 597Â Â Â (7,647)Â Â (3,978)Â Â (142,636) Amortization and accretion of financing costsÂ Â (732,197)Â Â (1,132,258)Â Â (1,904,546)Â Â (1,865,154) Unrealized gain (loss) on investmentÂ Â -Â Â Â 826Â Â Â -Â Â Â (5,497) Change in fair value of derivative liabilityÂ Â -Â Â Â (229,472)Â Â 705,184Â Â Â (229,473) Loss on debt extinguishmentÂ Â -Â Â Â -Â Â Â (675,648)Â Â -Â Loss on private placementÂ Â -Â Â Â -Â Â Â (567,161)Â Â -Â Change in fair value of liability-classified financial instrumentsÂ Â 1,116,388Â Â Â -Â Â Â 875,100Â Â Â -Â Other incomeÂ Â 15,464Â Â Â -Â Â Â 79,896Â Â Â -Â Total other income (expense)Â Â 400,252Â Â Â (1,368,551)Â Â (1,491,153)Â Â (2,242,760) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net lossÂ $(13,400,506)Â $(10,177,859)Â $(25,095,075)Â $(19,069,836) Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss per share, basic and dilutedÂ $(0.18)Â $(0.21)Â $(0.35)Â $(0.40) Weighted average shares outstandingÂ Â 75,315,210Â Â Â 47,760,809Â Â Â 72,123,576Â Â Â 47,357,879Â Â The accompanying notes are an integral part of these condensed consolidated unaudited financial statements. Â 4 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Unaudited Condensed Consolidated Statements of Stockholdersâ€™ Equity Â Â Â SharesÂ Â AmountÂ Â SharesÂ Â AmountÂ Â CapitalÂ Â IssuableÂ Â DeficitÂ Â TotalÂ Â Â Preferred StockÂ Â Common StockÂ Â Additional Paid-InÂ Â Common StockÂ Â AccumulatedÂ Â Â Â Â Â SharesÂ Â AmountÂ Â SharesÂ Â AmountÂ Â CapitalÂ Â IssuableÂ Â DeficitÂ Â TotalÂ Balance, June 30, 2024Â Â -Â Â Â -Â Â Â 64,061,763Â Â $64,059Â Â $275,589,383Â Â Â (857,470)Â $(213,328,332)Â $61,467,640Â Shares issued upon vesting of share-based awardsÂ Â -Â Â Â -Â Â Â 353,221Â Â Â 353Â Â Â (353)Â Â -Â Â Â -Â Â Â -Â Stock-based compensation expenseÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 2,420,747Â Â Â -Â Â Â -Â Â Â 2,420,747Â Shares issued pursuant to an At-The-Market offeringÂ Â -Â Â Â -Â Â Â 5,938,786Â Â Â 5,939Â Â Â 6,218,486Â Â Â 102,743Â Â Â -Â Â Â 6,327,168Â Settlement of receivable pursuant to share purchase agreementÂ Â -Â Â Â -Â Â Â 487,838Â Â Â 488Â Â Â 607,848Â Â Â (608,336)Â Â -Â Â Â -Â Reclassification of equity-linked contracts to liabilitiesÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (502,627)Â Â -Â Â Â -Â Â Â (502,627) Issuance of Series D Redeemable Preferred sharesÂ Â 5Â Â Â 100Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 100Â Issuance of common shares and warrants pursuant to subscription agreementsÂ Â -Â Â Â -Â Â Â 1,774,213Â Â Â 1,774Â Â Â 533,623Â Â Â -Â Â Â -Â Â Â 535,397Â Shares issued pursuant to debt extinguishmentÂ Â -Â Â Â -Â Â Â 726,216Â Â Â 726Â Â Â 740,014Â Â Â -Â Â Â -Â Â Â 740,740Â Settlement of receivable pursuant to share purchase agreement (Tysadco)Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 50,000Â Â Â -Â Â Â 50,000Â 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 Â Â Net loss for the periodÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (11,694,569)Â Â (11,694,569) Balance, September 30, 2024Â Â 5Â Â $100Â Â Â 73,342,037Â Â $73,339Â Â $285,607,121Â Â $(1,313,063)Â $(225,022,901)Â $59,344,596Â Repurchase of Series D Redeemable Preferred sharesÂ Â (5)Â Â (100)Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (100) Shares issued upon vesting of share-based awardsÂ Â -Â Â Â -Â Â Â 1,073,399Â Â Â 1,074Â Â Â (1,074)Â Â -Â Â Â -Â Â Â -Â Issuance of common shares under the Employee Stock Purchase PlanÂ Â -Â Â Â -Â Â Â 177,440Â Â Â 178Â Â Â 140,568Â Â Â -Â Â Â -Â Â Â 140,746Â Reclassification of equity-classified awards from equity compensation liabilityÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 467,191Â Â Â -Â Â Â -Â Â Â 467,191Â Stock-based compensation expenseÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 6,330,914Â Â Â -Â Â Â -Â Â Â 6,330,914Â Shares issued pursuant an At-The-Market offeringÂ Â -Â Â Â -Â Â Â 690,553Â Â Â 690Â Â Â 695,774Â Â Â (102,743)Â Â -Â Â Â 593,721Â Reclassification of derivative equity instruments from long-term liabilitiesÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 2,066,569Â Â Â -Â Â Â -Â Â Â 2,066,569Â Rescission of common shares and warrants pursuant to subscription agreementsÂ Â -Â Â Â -Â Â Â (875,000)Â Â (875)Â Â -Â Â Â -Â Â Â -Â Â Â (875) Shares issued pursuant to troubled debt restructuringÂ Â -Â Â Â -Â Â Â 1,210,360Â Â Â 1,210Â Â Â 1,142,580Â Â Â -Â Â Â -Â Â Â 1,143,790Â Issuance of common shares and warrants pursuant to registered direct offeringsÂ Â -Â Â Â -Â Â Â 8,773,586Â Â Â 8,774Â Â Â 13,902,226Â Â Â -Â Â Â -Â Â Â 13,911,000Â Net loss for the periodÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (13,400,506)Â Â (13,400,506) Balance, December 31, 2024Â Â -Â Â $-Â Â 84,392,375Â Â $84,390Â Â $310,351,869Â Â $(1,415,806)Â $(238,423,407)Â $70,597,046Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Unaudited Condensed Consolidated Statements of Stockholdersâ€™ Equity Â Â Â SharesÂ Â AmountÂ Â SharesÂ Â AmountÂ Â CapitalÂ Â IssuableÂ Â DeficitÂ Â TotalÂ Â Â Preferred StockÂ Â Common StockÂ Â Additional Paid-InÂ Â Common StockÂ Â AccumulatedÂ Â Â Â Â Â SharesÂ Â AmountÂ Â SharesÂ Â AmountÂ Â CapitalÂ Â IssuableÂ Â DeficitÂ Â TotalÂ Balance, June 30, 2023Â Â -Â Â Â -Â Â Â 45,888,131Â Â $45,887Â Â $223,134,798Â Â Â (1,484,693)Â $(160,826,508)Â $60,869,484Â Shares issued for professional servicesÂ Â -Â Â Â -Â Â Â 1,326Â Â Â 1Â Â Â 15,174Â Â Â (15,307)Â Â -Â Â Â (132) Shares issued upon vesting of share-based awardsÂ Â -Â Â Â -Â Â Â 132,142Â Â Â 135Â Â Â (135)Â Â -Â Â Â -Â Â Â -Â Stock-based compensation expenseÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 3,369,269Â Â Â -Â Â Â -Â Â Â 3,369,269Â Shares issued pursuant to rounding of reverse stock splitÂ Â -Â Â Â -Â Â Â 59,164Â Â Â 59Â Â Â (59)Â Â -Â Â Â -Â Â Â -Â Shares reclaimed pursuant to asset acquisitionÂ Â -Â Â Â -Â Â Â (128,206)Â Â (128)Â Â (1,255,650)Â Â 1,500,000Â Â Â -Â Â Â 244,222Â Shares issued pursuant to share purchase agreement, net of issuance costsÂ Â -Â Â Â -Â Â Â 306,252Â Â Â 306Â Â Â 3,009,694Â Â Â -Â Â Â -Â Â Â 3,010,000Â Shares issued pursuant to warrant exercisesÂ Â -Â Â Â -Â Â Â 45,545Â Â Â 46Â Â Â (46)Â Â 37,500Â Â Â -Â Â Â 37,500Â Net loss for the periodÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (8,891,978)Â Â (8,891,978) Balance, September 30, 2023Â Â -Â Â $-Â Â Â 46,304,354Â Â $46,306Â Â $228,273,045Â Â $37,500Â Â $(169,718,486)Â $58,638,365Â BalanceÂ Â -Â Â $-Â Â Â 46,304,354Â Â $46,306Â Â $228,273,045Â Â $37,500Â Â $(169,718,486)Â $58,638,365Â Shares issued upon vesting of share-based awardsÂ Â -Â Â Â -Â Â Â 180,811Â Â Â 181Â Â Â (181)Â Â -Â Â Â -Â Â Â -Â Stock-based compensation expenseÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â 4,261,327Â Â Â -Â Â Â -Â Â Â 4,261,327Â Shares issued pursuant to share purchase agreement, net of issuance costsÂ Â -Â Â Â -Â Â Â 2,799,973Â Â Â 2,800Â Â Â 12,829,925Â Â Â -Â Â Â -Â Â Â 12,832,725Â Shares issued pursuant to warrant exercisesÂ Â -Â Â Â -Â Â Â 58,087Â Â Â 58Â Â Â 37,440Â Â Â (37,500)Â Â -Â Â Â (2) Net loss for the periodÂ Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â -Â Â Â (10,177,859)Â Â (10,177,859) Balance, December 31, 2023Â Â -Â Â $-Â Â Â 49,343,225Â Â $49,345Â Â $245,401,556Â Â $-Â Â $(179,896,345)Â $65,554,556Â BalanceÂ Â -Â Â $-Â Â Â 49,343,225Â Â $49,345Â Â $245,401,556Â Â $-Â Â $(179,896,345)Â $65,554,556Â Â The accompanying notes are an integral part of these condensed consolidated unaudited financial statements. Â 5 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Unaudited Condensed Consolidated Statements of Cash Flows Â Â Â Six months ended December 31, 2024Â Â Six months ended December 31, 2023Â Â Â Â Â Â Â Â Cash Flows From Operating Activities:Â Â Â Â Â Â Â Â Net lossÂ $(25,095,075)Â $(19,069,836) Adjustments to reconcile net loss to net cash used in operating activities:Â Â Â Â Â Â Â Â Depreciation expenseÂ Â 2,518,001Â Â Â 81,410Â Accretion of financing costsÂ Â 1,904,546Â Â Â 1,865,154Â Amortization of right-of-use assetÂ Â 52,315Â Â Â 50,525Â Write-down of inventory to net realizable valueÂ Â 2,394,274Â Â -Â Unrealized loss on investmentÂ Â -Â Â Â 5,497Â Stock-based compensationÂ Â 9,502,030Â Â Â 7,691,511Â Shares issued for professional servicesÂ Â -Â Â Â (448) Change in fair value of derivative liabilityÂ Â (705,184)Â Â 229,473Â Change in fair value of conversion optionÂ Â (138,060)Â Â -Â Change in fair value of liability-classified equity-linked contractsÂ Â (737,040)Â Â -Â Loss on extinguishment of debtÂ Â 675,648Â Â Â -Â Loss on private placementÂ Â 567,161Â Â Â -Â Changes in operating assets and liabilities:Â Â Â Â Â Â Â Â Accounts receivableÂ Â (95,476)Â Â -Â InventoryÂ Â (2,814,057)Â Â (489,238) Grants receivableÂ Â 164,403Â Â Â (326,170) Prepaid expenses and depositsÂ Â 1,285,820Â Â Â 416,234Â Other current assetsÂ Â -Â Â Â (316,351) Accounts payable and accrued liabilitiesÂ Â (2,053,400)Â Â 2,502,865Â Right-of-use lease liabilitiesÂ Â (241,884)Â Â (59,326) Net Cash Used in Operating ActivitiesÂ Â (12,815,978)Â Â (7,418,700) Cash Flows From Investing Activities:Â Â Â Â Â Â Â Â Other acquisition depositsÂ Â -Â Â Â (279,878) Acquisition of property, plant and equipment, and water rightsÂ Â (1,509,581)Â Â (10,418,868) Purchase of water rights/intangible assetsÂ Â -Â Â Â (169,714) Net Cash Used in Investing ActivitiesÂ Â (1,509,581)Â Â (10,868,460) Cash Flows From Financing Activities:Â Â Â Â Â Â Â Â Proceeds from exercise of share purchase warrantsÂ Â -Â Â Â 37,499Â Proceeds from employee stock purchase planÂ Â 140,746Â Â Â -Â Proceeds from issuance of common shares through At-The-Market offeringÂ Â 7,579,122Â Â Â -Â Proceeds from subscription agreements (Note 13)Â Â 1,900,000Â Â Â -Â Proceeds from registered direct offeringsÂ Â 15,000,000Â Â Â -Â Payment of issuance costs, registered direct offeringsÂ Â (1,089,000)Â Â -Â Proceeds from notes payable, net of issuance costsÂ Â 9,900,000Â Â Â 20,287,118Â Principal paid on notes payableÂ Â (5,483,333)Â Â (11,400,000) Proceeds from share purchase agreement, net of issuance costsÂ Â -Â Â Â 14,689,178Â Net Cash Provided by Financing ActivitiesÂ Â 27,947,535Â Â Â 23,613,795Â Â Â Â Â Â Â Â Â Â Increase in Cash and Restricted CashÂ Â 13,621,976Â Â Â 5,326,635Â Cash and Restricted Cash â€“ Beginning of PeriodÂ Â 7,001,786Â Â Â 2,320,149Â Cash and Restricted Cash â€“ End of PeriodÂ $20,623,762Â Â $7,646,784Â Â Â Â Â Â Â Â Â Â Supplemental disclosures (Note 16)Â Â Â Â Â Â Â Â Â Â The accompanying notes are an integral part of these condensed consolidated unaudited financial statements. Â 6 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â 1. Organization and Nature of Operations Â American Battery Technology Company (â€œthe Companyâ€ or â€œABTCâ€) is an integrated critical battery materials company in the lithium-ion battery industry that is working to increase the domestic U.S. production of battery materials, such as lithium, nickel, cobalt, and manganese through its engagement in the exploration of new primary resources of battery metals, in the development and commercialization of new technologies for the extraction of these battery metals from primary resources, and in the commercialization of an internally developed integrated process for the recycling of lithium-ion batteries. Through this three-pronged approach the Company is working to both increase the domestic production of these battery materials, and to ensure that as these materials reach their end of lives that the constituent elemental battery metals are returned to the domestic manufacturing supply chain in a closed-loop fashion. Â The Company was incorporated under the laws of the State of Nevada on October 6, 2011, for the purpose of acquiring rights to mineral properties with the eventual objective of being a producing mineral company. We have a limited operating history and generated our initial revenue in the fourth quarter of fiscal 2024. Our principal executive offices are located at 100 Washington Ave., Suite 100, Reno, Nevada 89503. Â 2. Liquidity and Going Concern Â During the six months ended December 31, 2024, the Company incurred a net loss of $25.1 million and used cash of $12.8 million for operating activities. At December 31, 2024, the Company has a cash balance of $20.6 million (of which $15.6 million was available and $5.0 million is restricted) and an accumulated deficit of $238.4 million. Â The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. These uncertainties cause substantial doubt to exist as to the Companyâ€™s ability to continue as a going concern for 12 months from issuance of these financial statements. These condensed consolidated financial statements do not include any adjustments to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern. These adjustments could be material. Â Based on its current operating plan, unless the Company generate income from the operations of its facilities or raises additional capital (debt or equity), it is possible that the Company will be unable to maintain its financial covenants under our existing Note agreement (Note 11). If such covenant violations are not waived by the Note holder, it would result in an event of default, causing an acceleration of the outstanding balances. If the Company does raise additional capital through public or private equity offerings, as opposed to debt or additional Note issuances, the ownership interests of its existing stockholders may be diluted. Â 3. Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements Â The accompanying condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (â€œU.S. GAAPâ€) for interim financial information and pursuant to the instructions to Form 10-Q and Rule 10-01 of Regulation S-X of the U. S. Securities and Exchange Commission (â€œSECâ€) and on the same basis as the Company prepares its annual audited consolidated financial statements. Â 7 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â The condensed consolidated balance sheet at December 31, 2024, and the condensed consolidated statements of operations, comprehensive income (loss), and stockholdersâ€™ equity, and cash flows for the three and six months ended December 31, 2024 and 2023 are unaudited, but include all adjustments, consisting of normal recurring adjustments the Company considers necessary for a fair presentation of the financial position, operating results, and cash flows for the periods presented. The results for the six months ended December 31, 2024 are not necessarily indicative of results to be expected for the year ending June 30, 2025 or for any future interim period. The condensed consolidated balance sheet at June 30, 2024 has been derived from audited financial statements; however, it does not include all of the information and notes required by U.S. GAAP for complete financial statements. The accompanying condensed consolidated financial statements should be read in conjunction with the audited financial statements for the year ended June 30, 2024 and notes thereto included in the Companyâ€™s Annual Report on Form 10-K for the fiscal year ended June 30, 2024 as filed with the SEC on September 23, 2024 (the â€œFiscal 2024 Form 10-Kâ€). The Companyâ€™s consolidated subsidiaries consist of its wholly owned subsidiaries, LithiumOre Corporation (formerly Lithortech Resources Inc), and ABTC 2500 Peru LLC (formerly Aqua Metals Transfer LLC). Â The accompanying condensed consolidated interim financial statements include the accounts of the Company and its subsidiaries. All material intercompany balances and transactions have been eliminated in consolidation. Â The Company has made a presentation change to reclassify short-term right-of-use operating lease liabilities out of accounts payable and accrued liabilities in the balance sheet. The change to reclassify the amount in the prior period has been made to conform to the current period presentation. Â As disclosed in the Companyâ€™s Fiscal 2024 Form 10-K, subsequent to the issuance of the Companyâ€™s Fiscal 2023 consolidated financial statements, the Company identified errors in the application of Accounting Standards Codification (â€œASCâ€) 710, â€œCompensation-General,â€ and ASC 718, â€œCompensation-Stock Compensation,â€ related to expense recognition for cash and equity awards that are subject to both service and performance conditions. ASC 710 and ASC 718 require recognition of compensation cost once achievement of the performance condition becomes probable as the requisite service is provided. Historically, the Company did not recognize compensation cost for certain cash and equity awards until the performance conditions in the form of milestones were achieved, and for the Companyâ€™s common share warrant performance-based awards, no compensation cost had previously been recognized when the performance conditions either became probable of achievement or were achieved. As the common share warrant and restricted stock unit (â€œRSUâ€) performance-based awards to executive officers and key employees are granted with a fixed dollar value and settled in a variable number of common share warrants or RSUs, these awards are liability-classified until the number of common share warrants or RSUs are fixed, and the corresponding compensation cost should be recorded to current or long-term liabilities, or additional paid-in capital, depending on expected timing of settlement of the award, once the performance conditions become probable of achievement. Â The correction of this error resulted in an increase in compensation cost of $0.6 million and $2.2 million for the three and six months ended December 31, 2023, respectively. As certain of these awards are liability-classified, the correction of this error resulted in an increase of $0.3 million in accounts payable and accrued liabilities and less than $0.1 million in the equity compensation liability, and an increase of $1.8 million in additional paid-in capital for the awards where the number of common share warrants or RSUs are fixed as of December 31, 2023. Â The Company also identified an error in application of ASC 815, â€œDerivatives and Hedging,â€ related to the initial and subsequent recognition of a freestanding call option in the Companyâ€™s convertible notes that does not qualify for equity classification. ASC 815 requires bifurcation of the conversion option with subsequent changes in the fair value of the bifurcated derivative to be recorded in earnings. At issuance of the convertible notes, the Company should have recognized a derivative liability and a corresponding discount on the convertible notes resulting from bifurcation of the derivative, with subsequent changes in the fair value of the derivative liability and accretion of the discount recorded in earnings. Â The correction of this error resulted in an increase in interest and other expense of $0.3 million for the quarter ended December 31, 2023. For the six-month period ended December 31, 2023, the error resulted in an increase in interest and other expenses of $0.4 million. Â 8 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â Â Schedule of Consolidated Financial Statements CONDENSED CONSOLIDATED STATEMENT OF OPERATIONS Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Three months ended December 31, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Operating expensesÂ Â Â Â Â Â Â Â Â Â Â Â General and administrativeÂ $4,310,452Â Â $106,264Â Â $4,416,716Â Research and developmentÂ Â 3,148,873Â Â Â 420,294Â Â Â 3,569,167Â ExplorationÂ Â 771,523Â Â Â 51,902Â Â Â 823,425Â Total operating expensesÂ Â 8,230,848Â Â Â 578,460Â Â Â 8,809,308Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss before other income (expense)Â $(8,230,848)Â $(578,460)Â $(8,809,308) Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense)Â Â Â Â Â Â Â Â Â Â Â Â Amortization and accretion of financing costsÂ $(1,053,766)Â $(78,492)Â $(1,132,258) Change in fair value of derivative liabilityÂ Â -Â Â Â (229,472)Â Â (229,472) Total other income (expense)Â Â (1,060,587)Â Â (307,965)Â Â (1,368,551) Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss attributable to common stockholdersÂ $(9,291,435)Â $(886,424)Â $(10,177,859) Net loss per share, basic and dilutedÂ $(0.19)Â $(0.02)Â $(0.21) Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Six months ended December 31, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Operating expensesÂ Â Â Â Â Â Â Â Â Â Â Â General and administrativeÂ $7,259,298Â Â $211,415Â Â $7,470,713Â Research and developmentÂ Â 5,304,187Â Â Â 1,878,831Â Â Â 7,183,018Â ExplorationÂ Â 2,051,305Â Â Â 122,040Â Â Â 2,173,345Â Total operating expensesÂ Â 14,614,790Â Â Â 2,212,286Â Â Â 16,827,076Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss before other income (expense)Â $(14,614,790)Â $(2,212,286)Â $(16,827,076) Â Â Â Â Â Â Â Â Â Â Â Â Â Other income (expense)Â Â Â Â Â Â Â Â Â Â Â Â Amortization and accretion of financing costsÂ $(1,760,497)Â $(104,657)Â $(1,865,154) Change in fair value of derivative liabilityÂ Â -Â Â Â (229,473)Â Â (229,473) Total other income (expense)Â Â (1,908,630)Â Â (334,130)Â Â (2,242,760) Â Â Â Â Â Â Â Â Â Â Â Â Â Net loss attributable to common stockholdersÂ $(16,523,420)Â $(2,546,416)Â $(19,069,836) Net loss per share, basic and dilutedÂ $(0.35)Â $(0.05)Â $(0.40) Â CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERSâ€™ EQUITY Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Three months ended December 31, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Stockholdersâ€™ EquityÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Additional paid-in capital:Â Â Â Â Â Â Â Â Â Â Â Â Stock-based compensation expenseÂ Â 3,836,466Â Â Â 424,861Â Â Â 4,261,327Â Balance, December 31, 2023Â $243,020,935Â Â $2,380,621Â Â $245,401,556Â Â Â Â Â Â Â Â Â Â Â Â Â Â Accumulated deficitÂ Â Â Â Â Â Â Â Â Â Â Â Net loss for periodÂ Â (9,291,435)Â Â (886,424)Â Â (10,177,859) Balance, December 31, 2023Â $(176,496,995)Â $(3,399,350)Â $(179,896,345) Â Â Â Â Â Â Â Â Â Â Â Â Â Total stockholdersâ€™ equityÂ Â Â Â Â Â Â Â Â Â Â Â Balance, December 31, 2023Â $66,573,285Â Â $(1,018,729)Â $65,554,556Â Â 9 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Six months ended December 31, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Â Â Â Â Â Â Â Â Stockholdersâ€™ EquityÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Additional paid-in capital:Â Â Â Â Â Â Â Â Â Â Â Â Stock-based compensation expenseÂ Â 5,757,908Â Â Â 1,872,688Â Â Â 7,630,596Â Balance, December 31, 2023Â $243,020,935Â Â $2,380,621Â Â $245,401,556Â Â Â Â Â Â Â Â Â Â Â Â Â Â Accumulated deficitÂ Â Â Â Â Â Â Â Â Â Â Â Net loss for periodÂ Â (16,523,420)Â Â (2,546,416)Â Â (19,069,836) Balance, December 31, 2023Â $(176,496,995)Â $(3,399,350)Â $(179,896,345) Â Â Â Â Â Â Â Â Â Â Â Â Â Total stockholdersâ€™ equityÂ Â Â Â Â Â Â Â Â Â Â Â Balance, December 31, 2023Â $66,573,285Â Â $(1,018,729)Â $65,554,556Â Â CONDENSED CONSOLIDATED STATEMENT OF CASH FLOWS Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Â Â Six months ended December 31, 2023Â Â Â As ReportedÂ Â AdjustmentsÂ Â As CorrectedÂ Operating ActivitiesÂ Â Â Â Â Â Â Â Â Â Â Â Net loss attributable to stockholdersÂ $(16,523,420)Â $(2,546,416)Â $(19,069,836) Adjustments to reconcile net loss to net cash used in operating activities:Â Â Â Â Â Â Â Â Â Â Â Â Amortization and accretion expenseÂ $1,760,497Â Â $104,657Â Â $1,865,154Â Stock-based compensationÂ Â 5,757,908Â Â Â 1,933,603Â Â Â 7,691,511Â Shares issued for professional servicesÂ Â (132)Â Â (316)Â Â (448) Change in fair value of derivative liabilityÂ Â -Â Â Â 229,473Â Â Â 229,473Â Changes in operating assets and liabilities:Â Â Â Â Â Â Â Â Â Â Â Â Accounts payable and accrued liabilitiesÂ $2,164,539Â Â $279,000Â Â $2,443,539Â Â Â Â Â Â Â Â Â Â Â Â Â Â Net cash used in operating activitiesÂ $(7,418,700)Â $-Â Â $(7,418,700) Â Use of Estimates Â The preparation of these condensed consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. The Company regularly evaluates estimates and assumptions related to the fair value of stock-based compensation, valuation and recoverability of long-lived assets and intangible assets subject to impairment testing, and deferred income tax asset valuation allowances. Â Cash and Cash Equivalents Â The Company considers all short-term investments with an original maturity of three months or less when purchased to be cash equivalents. The Company did not have any cash equivalents as of December 31, 2024 and June 30, 2024. Â 10 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â Fair Value of Financial Instruments Â Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value is an exit price concept that assumes an orderly transaction between willing market participants and is required to be based on assumptions that market participants would use in pricing an asset or a liability. Current accounting guidance establishes a three-tier fair value hierarchy as a basis for considering such assumptions and for classifying the inputs used in the valuation methodologies. This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. The three levels of inputs used to measure fair values are as follows: Â Level 1: Quoted prices (unadjusted) in active markets for identical assets and liabilities that the reporting entity can assess at the measurement date. Â Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. Â Level 3: Unobservable inputs for the asset or liability which include the Companyâ€™s assumptions regarding the data market participants would use in pricing the asset or liability based on the best information available under the circumstances. Â The carrying values of the Companyâ€™s cash, accounts receivable, prepaid expenses and deposits, notes payable, accounts payable and accrued liabilities approximate fair value due to their short maturities. Â The Companyâ€™s recurring fair value measurements include the valuation of the derivative liabilities for the bifurcated notes payable freestanding call and conversion options and for the liability-classified equity-linked contracts, both of which are classified as Level 3 of the fair value hierarchy. See Notes 6 and 11 for relevant fair value disclosures. Given use of unobservable inputs, there is inherently uncertainty that the inputs could reasonably have been different as of the reporting date. Â The Companyâ€™s non-recurring fair value measurements include the valuation of the assets held-for-sale as of December 31, 2024. See Note 7 for relevant fair value disclosures. Â Adoption of Recent Accounting Pronouncements Â The Company continually assesses new accounting pronouncements to determine their applicability. When it is determined a new accounting pronouncement affects the Companyâ€™s financial reporting, the Company undertakes a review to determine the consequences of the change to its consolidated financial statements and assures there are sufficient controls in place to ascertain the Companyâ€™s consolidated financial statements properly reflect the change. Â In November 2023, the Financial Accounting Standards Board (â€œFASBâ€) issued Accounting Standards Update (â€œASUâ€) 2023-07, â€œSegment Reporting - Improvements to Reportable Segment Disclosuresâ€, which updates reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The amendments in this ASU are effective for annual periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements. Â In December 2023, the FASB issued ASU

2023-09, â€œImprovements to Income Tax Disclosuresâ€, which updates income tax disclosures primarily related to the rate reconciliation and income taxes paid information. This ASU also includes certain other amendments to improve the effectiveness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024. Early adoption is permitted for annual financial statements that have not yet been issued or made available for issuance. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements. Â 11 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â In November 2024, the FASB Issued ASU 2024-03, â€œIncome Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses.â€ The amendments in this update require disclosures, in the notes to financial statements, of specified information about certain costs and expenses. The amendment clarifies which certain costs and expenses that are included in cost of sales and selling, general, and administrative expense categories that should be disclosed with qualitative descriptions of amounts that are not separately disaggregated quantitatively. Additionally, the amendment requires disclosure of total amounts of selling expenses and an entityâ€™s definition of selling expense. The update will be effective for annual periods beginning after December 15, 2026 and interim reporting periods beginning after December 15, 2027, with early adoption permitted. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements. Â 4. Inventories Â The Companyâ€™s inventory for its lithium-ion battery recycling operation is comprised of raw materials, in the form of battery feedstock, and finished goods, in the form of black mass and other metals. Inventory is valued at the lower of average cost or net realizable value. The carrying value of inventory includes those costs to acquire battery feedstock and any related carrying and processing costs incurred by the Company. Schedule of InventoriesÂ Â Â December 31, 2024Â Â June 30, 2024Â Raw materialsÂ $449,665Â Â $66,088Â Finished goodsÂ Â 124,438Â Â Â 88,232Â TotalÂ $574,103Â Â $154,320Â Â 5. Government Grants and Tax Credit Awards Â Grants receivable represent qualifying costs incurred where there is reasonable assurance that the conditions of the grant have been met but the corresponding funds have not been received as of the reporting date. As collections from the federal government have been and are expected to continue to be timely, no allowance for doubtful accounts has been established. If amounts become uncollectible, they will be charged to operations. Grants receivable was $27,000 and $0.2 million as of December 31, 2024 and June 30, 2024, respectively. The Company recognizes invoiced government funds as an offset to R&D costs in the period the qualifying costs are incurred. During the six months ended December 31, 2024, the Company recognized $2.3 million of invoiced government funds as an offset to R&D costs. Grants related to investments in property and equipment are recognized as a reduction to the cost basis of the underlying assets with an ongoing reduction to depreciation expense over the assetsâ€™ estimated useful life. Â On January 20, 2021, the U.S. Department of Energy (â€œDOEâ€) announced that the Company had been selected for award negotiation for a three-year project with a total budget of $4.5 million for the field demonstration of its selective leaching, targeted purification, and electro-chemical production of battery grade lithium hydroxide from domestic claystone resources technology. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, or up to $2.3 million. The prime agreement contract for this grant (the â€œAMMTO grantâ€) was issued with a project start date of October 1, 2021. The Company began receiving funds related to this award during the fiscal year ending June 30, 2022. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $2.0 million, which represents 90% of the total eligible reimbursements. Â On August 16, 2021, the Company received a contract award for a 30-month project with a total budget of $2.0 million from the United States Advanced Battery Consortium (the â€œUSABC grantâ€) as part of a competitively bid project, through which the Company will receive reimbursement for up to $0.5 million of eligible expenditures. The objective of the contract award is for the commercial-scale development and demonstration of an integrated lithium-ion battery recycling system, the production of battery cathode grade metal products, the synthesis of high energy density active cathode material from these recycled battery metals, and the fabrication of large format automotive battery cells from these recycled materials and the testing of these cells against otherwise identical cells made from virgin sourced metals. The Company began receiving funds related to this award during the fiscal year ended June 30, 2024. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $0.5 million, which represents 100% of the total eligible reimbursements. Â 12 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â On October 21, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a five-year project with a total budget of $115.5 million to design, construct, and commission a first-of-kind lithium hydroxide refinery using Nevada-based claystone as the feedstock to expand domestic manufacturing of battery grade lithium hydroxide for lithium-ion batteries for electric vehicles, with a focus on domestic processing of materials and components that are currently imported from foreign countries. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, up to $57.7 million. The prime agreement contract for this grant was issued with a project start date of September 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $3.2 million, which represents 6% of the total eligible reimbursements. Â On November 17, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a three-year project with a total budget of $20.0 million to demonstrate and commercialize next generation techniques for its lithium-ion battery recycling processes to produce low-cost and low-environmental impact domestic battery materials. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, up to $10.0 million. The prime agreement contract for this grant was issued with a project start date of October 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $1.1 million, which represents 11% of the total eligible reimbursements. Â On March 28, 2024, ABTC was selected for a tax credit for up to $19.5 million through the Qualifying Advanced Energy Project Credits program (48C). This tax credit was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the U.S.DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. This tax credit may be utilized both for the reimbursement of capital expenditures spent to date and also future capital expenditures at ABTCâ€™s battery recycling facility in the Tahoe-Reno Industrial Center (TRIC) in Storey County, Nevada. As of December 31, 2024, the Company has incurred qualifying expenditures for this tax credit but will not recognize any amounts until it has reasonable assurance of compliance with the relevant standards. Â Also on March 28, 2024, ABTC was selected for an additional tax credit of up to $40.5 million through the 48C program, which may be used in support of the design and construction of a new commercial battery recycling facility to be located in the United States. As of December 31, 2024, the Company has not incurred any qualifying expenditures towards this tax credit. Â On September 23, 2024, the U.S. DOE announced that the Company had been selected for award negotiations for a highly competitive grant for $150 million to be applied towards the construction of a new lithium-ion battery recycling facility. On December 18, 2024, the Company received a contracted grant award for $144 million of federal investment by the DOE, with these funds awarded to the Company and its subcontractor Argonne National Laboratory, to support the construction of a new lithium-ion battery recycling facility. Â 6. Derivative Liabilities Â During the quarter ended December 31, 2024, the Companyâ€™s embedded conversion feature on its convertible notes and its outstanding warrants had been treated as derivative liabilities for accounting purposes under ASC 815-40, â€œDerivatives and Hedging â€“ Contracts in Entityâ€™s Own Equity,â€ due to insufficient authorized shares to settle these outstanding equity-linked contracts, while the terms of these instruments still allowed the holders to exercise which would require the Company to net-cash settle the instrument. In such cases, the Company adopted a sequencing approach under ASC 815-40 to determine the classification of its equity-linked financial instruments at issuance and at each subsequent reporting date. Under this sequencing policy, the Company reclassified to liabilities those equity-linked financial instruments with the most recent issuance or modification date. The derivative liabilities were initially recorded at fair value and subsequently re-valued each reporting date, with changes in fair value reported in the condensed consolidated statements of operations. The Company utilized the Black-Scholes option-pricing model to value the derivative liabilities at initial reclassification and subsequent valuation dates, adjusted for instrument-specific terms as applicable. Â 13 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â In August 2024, the Company issued common shares and warrants to purchase common shares under private placement subscription agreements. See further discussion at Note 13. As there were insufficient authorized shares available at the time of issuance, the warrants were classified as derivative liabilities, measured at fair value as of issuance, and re-measured to fair value as of September 30, 2024. Of the $1.9 million in proceeds received from the private placement, $0.6 million was received from related parties of the Company, including current employees and an immediate family member of the Chief Executive Officer. The Company recognized common shares and warrants to purchase common shares with a total fair value of $1.4 million, compensation expense of $0.7 million and a loss on private placement of $0.1 million in the condensed consolidated statements of operations. The Company recognized less than a $0.1 million loss on change in fair value of these liability-classified equity-linked financial instruments. Â For the remaining private placement subscription agreements, the Company recognized the fair value of the warrants of $1.7 million and a loss on private placement of $0.6 million as of issuance, and a fair value of $1.7 million as of September 30, 2024, with the loss on change in fair value of less than $0.1 million recorded to change in fair value of liability-classified equity-linked contracts in the condensed consolidated statements of operations. The associated derivative liability was included in long-term liabilities in the condensed consolidated balance sheets. In November 2024, a portion of the private placement subscription agreements were rescinded. Prior to rescission, a gain of $0.3 million was recognized upon revaluation of the warrant liability, reducing the warrant liability from $1.2 million to $0.9 million. A gain of less than $0.1 million was recognized upon extinguishment of the warrant liability at the rescission date. A payable of $0.9 million is included in accounts payable and accrued liabilities on the condensed consolidated balance sheet as of December 31, 2024 for the return of the subscription agreement proceeds to the investors. Â In September 2024, the Companyâ€™s convertible notes were amended to increase the conversion rate of the conversion option. See further discussion at Note 11. Upon modification, the Company no longer had sufficient authorized shares to settle all equity-linked contracts including the convertible notes upon a potential conversion and accordingly, the embedded conversion feature was bifurcated from the convertible notes to be accounted for as a derivative liability. The Company calculated a fair value of the bifurcated conversion feature of $0.7 million as of the modification date and a fair value of $0.9 million as of September 30, 2024, with the loss on change in fair value of $0.2 million recorded to change in fair value of liability-classified financial instruments in the condensed consolidated statements of operations. The associated derivative liability is included in long-term liabilities in the condensed consolidated balance sheets. Â In November 2024, the Companyâ€™s shareholders approved and adopted an amendment to the articles of incorporation to increase the number of authorized shares of the Companyâ€™s common stock from 80,000,000 to 250,000,000. Upon the increase, the Company had sufficient authorized shares available to settle all equity-linked contracts including the convertible notes and warrants to purchase common shares included in derivative liabilities. As a result, the Company revalued the bifurcated conversion feature and the warrants to purchase common shares as of the shareholder approval date and reclassified the associated derivative liabilities from long-term liabilities to additional paid-in capital in the condensed consolidated balance sheets. The Company recognized a $0.8 million gain on change in fair value of the derivative liabilities prior to the reclassification to equity from long-term liabilities. The amount reclassed to equity totaled $2.1 million. Â The table below sets forth the Black-Scholes inputs and assumptions for the Companyâ€™s valuation and re-valuation of its derivative liabilities for the three months ending December 31: Schedule of Black-Scholes Inputs and Assumptions for valuation and Re-valuation of its Derivative LiabilitiesÂ Â Â 2024Â Weighted average expected term (years)Â Â 0.01 â€“ 4.67Â Risk-free interest rateÂ Â 4.26% - 4.69% Dividend yieldÂ Â 0% VolatilityÂ Â 6.69% - 117.89% Â 14 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â A summary of the activity related to derivative liabilities for the three months ending December 31, 2024, is as follows: Schedule of Derivative LiabilitiesÂ Â Â Warrant Derivative LiabilitiesÂ Â Conversion Option Derivative LiabilityÂ Â Total Derivative LiabilitiesÂ Â Â Â Â Â Â Â Â Â Â Balance, September 30, 2024Â $3,117,647Â Â $939,435Â Â $4,057,082Â Change in fair valueÂ Â (639,727)Â Â (388,365)Â Â (1,028,092) Fair value of extinguishments during the periodÂ Â (87,421)Â Â -Â Â Â (87,421) Fair value of reclassifications to accounts payable during the periodÂ Â (875,000)Â Â -Â Â Â (875,000) Fair value of reclassifications to equity during the periodÂ Â (1,515,499)Â Â (551,070)Â Â (2,066,569) Balance, December 31, 2024Â $-Â Â $-Â Â $-Â Â 7. Property, Plant and Equipment Â The table below presents the property, plant and equipment as of December 31, 2024 and June 30, 2024: Â Schedule of Property and EquipmentÂ Â Â Â December 31, 2024Â Â June 30, 2024Â LandÂ $8,860,916Â Â $8,860,916Â BuildingÂ Â 16,633,661Â Â Â 24,867,784Â Equipment and vehiclesÂ Â 23,232,967Â Â Â 14,313,970Â Total property, plant and equipmentÂ Â 48,727,544Â Â Â 48,042,670Â Less: accumulated depreciationÂ Â (4,192,864)Â Â (1,727,704) Property, plant and equipment, netÂ Â 44,534,680Â Â $46,314,966Â Â The Company recognized depreciation expense of $1.2 million and $44,908 for the three months ended December 31, 2024 and 2023, respectively. The Company recognized depreciation expense of $2.5 million and $81,410 for the six months ended December 31, 2024 and 2023, respectively. Â During the fourth quarter of fiscal 2024, the Company approved a plan to sell certain assets comprised primarily of land and a building from its Fernley location. The Company made this decision due to the acquisition of the Peru facility that would accelerate its time to production and commercialization. The assets located at Fernley had a carrying amount of $18.6 million and water rights with a carrying amount of $0.1 million. These assets have been classified as held-for-sale as of June 30, 2024 and are expected to be sold by September 2025. The Company recorded an impairment charge on the assets held-for-sale of $10.3 million for the fiscal year ended June 30, 2024. The fair value of the assets held-for-sale is classified within Level 3 of the fair value hierarchy and was determined based on indicative market listing prices of the assets. As of December 31, 2024, there were no changes to the valuation of assets held-for-sale. Â 8. Mining Properties Â On July 21, 2022, the Company exercised the option to purchase the rights to unpatented lode claims in Tonopah, Nevada. Since that time, the Company has worked with third parties to conduct drill programs and analysis to verify the grade and continuity of the mining claims. Over 50% of the inferred mineral resources have been upgraded to measured and indicated classifications. The Company is still in the exploration stage and expenses all mineral exploration costs. If the Company identifies proven and probable reserves and develops an economic plan for operating a mine, it will enter the development stage and capitalize future costs until production is established. Â On July 22, 2023, the Company began a third exploration program to advance its Tonopah Flats Lithium Project. This drill program includes core infill and step out drilling to support the evolution of its domestic resource with the goal of upgrading to a â€˜measured and indicatedâ€™ resource classification. The Company selected and engaged KB Drilling for the collection of infill and step out samples for this latest drill program, which consists of sample collections from eight additional drill holes and includes 6,500 feet of total drilling. Â 15 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â In December 2023, the Company entered into a vacant land offer and acceptance agreement for the Companyâ€™s acquisition of certain mineral patents totaling $0.2 million which, was capitalized to mining properties. Â On April 24, 2024, the Company announced the completion of the â€œAmended Resource Estimate and Initial Assessment with Project Economics for the Tonopah Flats Lithium Project, Esmeralda and Nye Counties, Nevada, USAâ€ (â€œAmended IAâ€) and the publication of the S-K 1300 Technical Report Summary (â€œTRSâ€) disclosing mineral resources, including an initial economic assessment, for the Tonopah Flats Lithium Project. The TRS was completed by RESPEC Company LLC, a qualified person, in compliance with Item 1300 of Regulation S-K and with an effective date of April 5, 2024. Â On January 21, 2025, the Company commenced a new drill program which is the next step in accelerating the commercialization of the lithium resource is the completion and publication of a prefeasibility study (PFS). Â A critical operation of the PFS is performing this drill program to provide the geotechnical data to define the structural mine pit shape, to increase the resolution of the 3D resource model, and to add to the understanding of the high-grade continuity within the proposed pit. This drill program also includes core sample collections which will be assayed and characterized to further define the resource to the previously unexplored southwest section of the claim block and to work to increase the size of the overall lithium resource. Â 9. Intangible Assets Â On September 12, 2023, the Company acquired approximately 40.52-acre feet of water rights from the Thomas C. Woodward Living Trust, valued at $0.1 million. The water rights are treated in accordance with ASC 350, â€œIntangible Assets,â€ and have an unlimited useful life subject to beneficial use. Â The Companyâ€™s acquisition of the commercial-scale battery recycling facility at the TRIC included water rights valued at $0.7 million and are described as an eighteen and forty-five one-hundredths (18.45) acre-foot/annually portion of the Truckee-Carson Irrigation District. These have an unlimited useful life upon assignment to a property through use of a will-serve, which has no expiration date. Â The table below presents total intangible assets at: Â Schedule of Intangible AssetsÂ Â Â December 31, 2024Â Â June 30, 2024Â Water rightsÂ $4,519,038Â Â $4,519,038Â Â 10. Accounts Payable and Accrued Liabilities Â The table below presents total accounts payable and accrued liabilities at: Â Schedule of Accounts Payable and Accrued LiabilitiesÂ Â Â December 31, 2024Â Â June 30, 2024Â Trade payablesÂ $2,038,587Â Â $4,255,398Â Accrued fixed assetsÂ Â 225,104Â Â Â 996,970Â Accrued expensesÂ Â 4,903,723Â Â Â 2,244,265Â Market agreement settlementÂ Â -Â Â Â 1,800,000Â Total accounts payable and accrued liabilitiesÂ $7,167,414Â Â $9,296,633Â Â On July 3, 2024, the Company and Mercuria Energy America, LLC agreed to resolve their respective disputes related to a Marketing Agreement entered into in May 2023. Under the terms of the Settlement Agreement, the Company agreed to make six monthly payments to Mercuria Energy America, LLC of $0.3 million each. Upon the completion of the payments, the parties agreed to release any and all claims, disputes, actions, suits, proceedings, demands and/or liabilities in law and/or equity or otherwise. The total amount of payments due of $1.8 million was accrued as of June 30, 2024. As of December 31, 2024, all amounts have been paid. Â 16 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â 11. Notes Payable Â On August 29, 2023, the Company and High Trail (the â€œBuyersâ€) entered into a Securities Purchase Agreement (the â€œPurchase Agreementâ€), pursuant to which the Company can sell to the Buyers up to $51.0 million of a new series of senior secured convertible notes (the â€œNotesâ€), of which $25.0 million was initially received. The Company analyzed the conversion features of the Notes for derivative accounting considerations under ASC 815-15, â€œDerivatives and Hedging,â€ and determined a freestanding call option should be bifurcated and separately accounted for as a derivative liability. Accordingly, the derivative liability is carried at fair value at each reporting date with the corresponding gain or loss reflected in earnings in the condensed consolidated statements of operations. See Correction of Previously Issued Consolidated Financial Statements in Note 3. The Company determined the derivative liability to have a fair value of $0.4 million at issuance of the Notes. For the three months ended September 30, 2024, the Company recorded a gain of $0.7 million within the change in fair value of the derivative liability in the condensed consolidated statements of operations. As of September 30, 2024, the fair value of the derivative liability was determined to be nil given the expiration of the freestanding call option on October 1, 2024. Â The carrying value, net of debt discount and issuance costs, was being accreted over the term of the Notes from date of issuance to date of full repayment, expected to be in October 2024 based on partial redemption payments, using the effective interest rate method. Â On September 13, 2024, the Notes were amended to allow payment of principal totaling $0.6 million in common shares of the Company in lieu of cash, with the remaining principal due in September 2024 deferred to October 2024. Subsequent to September 30, 2024, further payment on the Notes had been deferred by the Buyers while negotiations on a potential amendment to the Notes are on-going. Total common shares of 726,216 were issued with a fair market value of $0.7 million. The Notes were also amended to increase the conversion option rate. The Company concluded that the amendment to the Notes was an extinguishment for accounting purposes due to the increase in the conversion option fair value. The Company recognized a $0.7 million loss on extinguishment in the condensed consolidated statement of operations, comprised of the write-off of the remaining debt discount and debt issuance costs of $0.6 million and the excess of fair value of the common shares paid in lieu of cash over the principal owed of $0.1 million. Â On November 14, 2024, the Purchase Agreement and Notes were amended to provide for the issuance of a new series of senior secured convertible notes (the â€œ2024 Notesâ€) in the aggregate principal amount of $12.0 million, less discount totaling $2.1 million. The amendment also allowed payment of principal of the Notes totaling $1.1 million in common shares of the Company in lieu of cash, with the remaining principal of the Notes of $1.8 million paid with proceeds from issuance of the 2024 Notes. The 2024 Notes bear zero coupon, mature on September 1, 2025, and require $5.0 million in cash to be maintained in a restricted account. The Buyers may request partial redemptions of up to an aggregate of $1.0 million on the 1st of each month beginning on January 1, 2025, with the remaining principal due on the maturity date, or the Buyers may convert the 2024 Notes into shares of common stock of the Company at a conversion rate of 1,333.33 shares of common stock per $1,000 of principal for the first $3,000,000 of principal, and a conversion rate of 945.0992 shares of common stock per $1,000 of principal for the remaining principal. On December 19, 2024, the 2024 Notes were amended to increase the portion of principal that is subject to the higher conversion rate of 1,333.33 shares of commons stock per $1,000 of principal from $3,000,000 to $5,000,000. The Company analyzed the embedded conversion feature of the 2024 Notes for derivative accounting considerations under ASC 815-15, â€œDerivatives and Hedging,â€ and determined that it did not qualify to be bifurcated and accounted for as a derivative liability. For the three months ended December 31, 2024, amortization of the debt discount of the 2024 Notes totaled $0.4 million. Â 17 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â The Company evaluated the amendment to the Purchase Agreement and concluded it was required to be accounted for as a troubled debt restructuring under ASC 470-60, â€œTroubled Debt Restructurings by Debtors,â€ as a concession had been granted to the Company. Per ASC 470-60, the carrying value of the Notes remained the same as before the amendment, reduced only by the fair value of the common shares issued to partially settle the Notes. No gain was recognized as the future undiscounted cash flows of the restructured Notes did not exceed the carrying amount of the Notes, with the effect of the restructuring accounted for prospectively through the revised effective interest rate of 50.73%. Â The table below presents the net carrying amounts of the 2024 Notes as of: Â Schedule of Net Carrying Amounts of the NotesÂ Â Â December 31, 2024Â Principal outstandingÂ $12,000,000Â Debt discountÂ Â (2,243,790) Amortization of debt discount Â Â 409,167Â Net carrying valueÂ $10,165,377Â Â The table below presents the maturities of notes payable as of December 31, 2024: Â Schedule of Maturities of Notes PayableÂ Â Â Â Â Â December 31, 2024Â $12,000,000Â Less: unamortized debt discount and issuance costsÂ Â (1,834,623) Total notes payableÂ $10,165,377Â Â Â Â Â Â Notes payable, currentÂ $10,165,377Â Notes payable, non-currentÂ $-Â Â 12. Leases Â A lease provides the lessee the right to control the use of an identified asset for a period in exchange for consideration. Operating lease right-of-use assets (â€œRoU assetsâ€) are presented within the asset section of the Companyâ€™s consolidated balance sheets, while lease liabilities are included within the liability section of the Companyâ€™s consolidated balance sheets at December 31, 2024 and June 30, 2024. Â RoU assets represent the Companyâ€™s right to use an underlying asset for the lease term and operating lease liabilities represent the Companyâ€™s obligation to make lease payments arising from the lease. The Company determines if an arrangement is a lease at inception. RoU assets and liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term. Most operating leases contain renewal options that provide for rent increases based on prevailing market conditions. The terms used to calculate the RoU assets for certain properties include the renewal options that the Company is reasonably certain to exercise. Â 18 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â The discount rate used to determine the commencement date present value of lease payments is the interest rate implicit in the lease, or when that is not readily determinable, the Company estimates a rate of 8.0% for the three months ending December 31, 2024 and 2023, based primarily on historical lending agreements. RoU assets include lease payments required to be made prior to commencement and exclude lease incentives. Both RoU assets and the related lease liability exclude variable payments not based on an index or rate, which are treated as period costs. The Companyâ€™s lease agreements do not contain significant residual value guarantees, restrictions, or covenants. Â The Company occupies office facilities under lease agreements that expire at various dates, many of which do not exceed a year in length. Total operating lease costs for the three months ended December 31, 2024 and 2023, were each approximately $0.1 million. The Company does not have any finance leases as of December 31, 2024 and 2023. Â As of December 31, 2024, current lease liabilities of $0.1 million are included in â€œAccounts payable and accrued liabilitiesâ€ on the consolidated balance sheets. The table below presents total operating lease RoU assets and lease liabilities at December 31, 2024 and June 30, 2024: Â Schedule of Operating Lease ROU Assets and Lease LiabilitiesÂ Â Â December 31, 2024Â Â June 30, 2024Â Operating lease right-of-use assetÂ $357,431Â Â $42,103Â Operating lease liabilitiesÂ $359,015Â Â $54,304Â Â The table below presents the maturities of operating lease liabilities as of December 31, 2024: Schedule of Maturity of Operating Lease LiabilitiesÂ Â Â Â Â Â Â December 31, 2025Â $133,413Â December 31, 2026Â Â 139,011Â December 31, 2027Â Â 132,130Â Total lease paymentsÂ Â 404,554Â Less: discountÂ Â (45,539) Â Â Â Â Â Total operating lease liabilitiesÂ $359,015Â Â Â Â Â Â Operating lease liabilities, currentÂ $108,600Â Operating lease liabilities, non-currentÂ $250,416Â Â The table below presents the weighted average remaining lease term for operating leases and the weighted average discount rate used in calculating operating lease right-of-use asset as of December 31, 2024. Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount RateÂ Â Weighted average lease term (years)Â Â 2.83Â Weighted average discount rateÂ Â 8.00% Â Â 19 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â 13. Stockholdersâ€™ Equity Â Preferred Stock Â The Companyâ€™s amended and restated articles of incorporation authorize shares of preferred stock and provide that shares of preferred stock may be issued from time to time in one or more series. The Companyâ€™s board of directors (the â€œBoard of Directorsâ€) is authorized to fix the voting rights, if any, designations, powers, preferences, the relative, participating, optional or other special rights and any qualifications, limitations and restrictions thereof, applicable to the shares of each series. The Board of Directors is able to, without stockholder approval, issue shares of preferred stock with voting and other rights that could adversely affect the voting power and other rights of the holders of the common stock and could have anti-takeover effects. The ability of the Board of Directors to issue shares of preferred stock without stockholder approval could have the effect of delaying, deferring or preventing a change of control of the Company or the removal of existing management. Â To date, the Company has authorized a total of 1,666,667 shares of preferred stock. Of this amount the Company has designated a total of 233,334 shares to four classes of preferred stock, Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock and Series D Preferred Stock. As of December 31, 2024 and June 30, 2024, there were 5 and nil shares of Series D Preferred Stock issued and outstanding. A description of each class of preferred stock is listed below. Â On September 16, 2024, the Company entered into a Subscription and Investment Representation Agreement with Ryan Melsert, its Chief Executive Officer, who is an accredited investor, pursuant to which the Company agreed to issue and sell five (5) shares of the Companyâ€™s Series D Preferred Stock, par value $0.001 per share, to Mr. Melsert for an aggregate purchase price of $100, or $20 per share of Series D Preferred Stock. The sale closed on September 16, 2024. The Series D Preferred Stock is not convertible into, or exchangeable for, shares of any other class or series of stock or other securities of the Company. The Series D Preferred Stock has no rights with respect to distribution of assets of the Company, including upon a liquidation, bankruptcy, reorganization, merger, acquisition, sale, dissolution or winding up of the Company. Each share of Series D Preferred Stock had 12,000,000 votes and voted together with the outstanding shares of the Companyâ€™s common stock as a single class exclusively with respect to a proposal to amend the Companyâ€™s articles of incorporation, as amended, to increase the number of authorized shares of common stock of the Company. The Series D Preferred Stock was voted, without action by the holder, on such proposal in the same proportion, and in the same manner, as shares of common stock are voted by the shareholders and in no other manner. The Series D Preferred Stock has no other voting rights except as otherwise authorized by the Nevada Revised Statutes. Â The Series D Preferred Stock shall be redeemed in whole, but not in part, at any time (i) if such redemption is ordered by the Board of Directors in its sole discretion or (ii) automatically upon the effectiveness of the amendment to the articles of incorporation, as amended, implementing an increase in the number of authorized shares of common stock of the Company, which occurred on November 14, 2024. Upon such redemption, the holder of the Series D Preferred Stock received consideration of $100. Accordingly, as the Series D Preferred Stock is subject to possible redemption, it is presented as temporary equity, outside of stockholdersâ€™ equity, at its redemption amount on the condensed consolidated balance sheets. Â Subsequent to the Companyâ€™s annual meeting on November 13, 2024, the Company redeemed the Series D Preferred Stock for $100. Â Series A Preferred Stock Â The Company has 33,334 shares of Series A Preferred Stock authorized with a par value of $0.001 per share. The Company had nil shares of Series A Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024. Â Series B Preferred Stock Â The Company has 133,334 shares of Series B Preferred Stock authorized with a par value of $10.00 per share. The Company had nil shares of Series B Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024. Â Series C Preferred Stock Â The Company has 66,667 shares of Series C Preferred Stock authorized with a par value of $10.00 per share. The Company had nil shares of Series C Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024. Â Series D Preferred Stock Â The Company has 5 shares of Series D Preferred Stock authorized with a par value of $0.001 per share. The Company had nil shares of Series D Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024. Â Common Stock Â In November 2024, the Companyâ€™s shareholders approved and adopted an amendment to the articles of incorporation to increase the number of authorized shares of the Companyâ€™s common stock from 80,000,000 to 250,000,000. As of December 31, 2024, the Company has 250,000,000 shares of common stock authorized, with a par value of $0.001 per share. Â 20 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â Six months ended December 31, 2024: Â During the period, the Company issued 1,426,620 common shares upon vesting of share-based awards. Â On July 22, 2024, the Board of Directors authorized and approved to extend the expiration date to April 30, 2025 for 600,000 certain warrants with an exercise price of $1.125 issued in connection with a previous equity offering which were previously scheduled to expire on October 31, 2024. Of the 600,000 warrants, 200,000 warrants are held by Ryan Melsert, Chief Executive Officer. The modification of the warrants resulted in incremental fair value of $0.1 million as of the modification date, of which less than $0.1 million was recognized as stock-based compensation expense for those warrants held by the Chief Executive Officer and the remainder as a deemed dividend per the requirements of ASC 815-40, â€œDerivatives and Hedging â€“ Contracts in Entityâ€™s Own Equity.â€ The Company utilized a Black-Scholes option-pricing model to determine the incremental fair value with assumptions including volatility of 100.47% and a risk-free rate of 5.06%. Â On August 1, 2024, the Company agreed to sell in a private placement 53 Group A Units (defined below) to several accredited investors and 23 Group B Units to the Companyâ€™s new Chief Operating Officer, to an immediate family member of the Chief Executive Officer, and to two current employees, a portion of which was rescinded on November 12, 2024 (see Note 6), resulting in the sale of a total of only 18 Group A Units and 23 Group B Units in such private placement. Each â€œGroup A Unitâ€ consists of 25,000 shares of Common Stock, 25,000 Series A warrants with a five-year term to purchase Common Stock (â€œSeries A Warrantsâ€) and 25,000 Series B Warrants with an 18-month term to purchase Common Stock (collectively with the Series A Warrants, the â€œWarrantsâ€) with a purchase price of $25,000 per Unit; each â€œGroup B Unitâ€ consists of 19,531 shares of Common Stock and 39,062 Series A Warrants with a five-year term and a purchase price of U.S. $25,000 per Unit. The Company received an initial payment of approximately $1.9 million but after the recission retained only an aggregate purchase price of $1.0 million. Â Upon issuance of the common stock and warrants in the private placement, the Company concluded that it had insufficient authorized shares to settle the warrants sold as well as certain previously issued warrants (see Note 6). As the warrants were therefore accounted for as derivative liabilities and remeasured at fair value each reporting period (see Note 6), the Company allocated the proceeds first to the warrants with any residual proceeds allocated to the common shares. A day-one loss is recognized to the extent the recognized fair value of common shares and warrants exceeds the proceeds received. Â During the six months ended December 31, 2024, the Company issued 1,936,576 common shares to the Note holders pursuant to the debt conversion option in lieu of cash payment of $1.6 million (see Note 11). The fair value of the common shares issued of $1.9 million was recorded in additional paid-in capital for this transaction. Â During the six months ended December 31, 2024, the Company recognized stock-based compensation expense of $9.5 million, which was an increase to additional paid-in capital of $8.8 million and an increase to the equity compensation liability of less than $0.1 million. Stock-based compensation expense also included $0.7 million related to the excess fair value related to warrants issued to the insiders and the incremental fair value from modification of certain warrants discussed above. Â 21 Â Â On November 13, 2024, the Companyâ€™s shareholders approved the Companyâ€™s 2024 Employee Stock Purchase Plan (the â€œ2024 ESPPâ€). The 2024 ESPP provides the Companyâ€™s employees with the ability to contribute a portion of their earnings to purchase the Companyâ€™s shares of common stock. Pursuant to the terms of the 2024 ESPP, the Companyâ€™s executive officers and all of its other employees will be allowed to participate in the 2024 ESPP. During the period, employees purchased 177,440 shares under the 2024 ESPP with an aggregate purchase price of $0.1 million. Â On December 23, 2024, the Company entered into a securities purchase agreement with two institutional investors including the Buyers (see Note 11) for the purchase and sale of (i) 5,000,000 shares its common stock, and (ii) warrants exercisable for up to an aggregate of 5,000,000 shares of common stock for a combined offering price of $1.00 per share and accompanying warrant. The warrants have an exercise price of $1.10 per share, are exercisable immediately from the date of issuance and expire five years from the initial exercise date. Â On December 27, 2024, the Company entered into another securities purchase agreement with two institutional investors including the Buyers for the purchase and sale of (i) 3,773,586 shares of its common stock, and (ii) warrants exercisable for up to an aggregate of 3,773,586 shares of common stock for a combined offering price of $2.65 per share and accompanying warrant. The warrants have an exercise price of $2.80 per share, will be exercisable immediately from the date of issuance and will expire five years from the initial exercise date. The Company received total proceeds from both December 2024 securities purchase agreements of $15.0 million, net of offering costs of $1.1 million, which were recorded to additional paid-in capital as the Company determined the warrants met the equity classification criteria. Â The Company had the following potentially dilutive shares outstanding as of December 31: Â Schedule of Potentially Dilutive Shares Outstanding Â Â 2024Â Â 2023Â Convertible notesÂ Â 13,282,344Â Â Â 1,942,363Â WarrantsÂ Â 16,138,037Â Â Â 5,731,666Â Share awards outstandingÂ Â 8,052,791Â Â Â 2,871,252Â Total potentially dilutiveÂ Â 37,473,172Â Â Â 10,545,281Â Â 14. Share Purchase Warrants Â During the six months ended December 31, 2024, there were 12,518,188 total warrants issued. The Company issued 3,548,426 warrants pursuant to the Private Placement (see Note 13), of which 898,426 warrants were purchased by employees of the Company and 1,750,000 warrants were cancelled per the rescission agreement executed with certain investors in November 2024 (see Note 6). The Company also issued 8,773,586 warrants in December 2024 in connection with the securities purchase agreements (see Note 13). The Company issued 196,176 warrants under its compensation arrangements (see Note 15). Â Schedule of Share Purchase Warrants Activity Â Â Number of WarrantsÂ Â Weighted Average Exercise PriceÂ Â Weighted Average Remaining Contractual TermÂ Â Aggregate Intrinsic ValueÂ Â Â Â Â Â Â Â Â Â Â Â Â Â Balance, June 30, 2024Â Â 6,928,758Â Â $12.95Â Â Â Â Â Â Â Â Â GrantedÂ Â 3,548,426Â Â Â 1.01Â Â Â Â Â Â Â Â Â ExercisedÂ Â -Â Â Â -Â Â Â Â Â Â Â Â Â ExpiredÂ Â (1,082,715)Â Â 12.02Â Â Â Â Â Â Â Â Â Balance, September 30, 2024Â Â 9,394,469Â Â $8.55Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â GrantedÂ Â 8,969,762Â Â Â 1.90Â Â Â Â Â Â Â Â Â ExercisedÂ Â -Â Â Â -Â Â Â Â Â Â Â Â Â RescindedÂ Â (1,750,000)Â Â 1.00Â Â Â Â Â Â Â Â Â ExpiredÂ Â (476,194)Â Â 10.50Â Â Â Â Â Â Â Â Â Balance, December 31, 2024Â Â 16,138,037Â Â $5.61Â Â Â 4.12Â Â $-Â Exercisable, December 31, 2024Â Â 15,365,150Â Â $4.53Â Â Â 4.08Â Â $-Â Â 22 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â 15. Equity Compensation Awards Â The Company has established the 2021 Retention Plan (â€œthe Retention Planâ€) to issue shares in the effort to retain key executives, directors, and employees. The Retention Plan allows for several different types of awards to be granted, including but not limited to, restricted share units and restricted share awards, collectively referred to as â€œshare awardsâ€. Share awards generally have the same expense characteristics under US GAAP and generally vest over a four-year period at a rate of 25% per annum. Â Under the Retention Plan, the Company is authorized to issue shares of common stock to employees and non-employees up to ten percent (10%) of the total number of shares of common stock outstanding as of December 31, 2022, on a fully diluted basis. The Company adjusts the authorized shares under the plan each December 31, while the Retention Plan remains in effect. During the three months ended December 31, 2024, the Company granted 5.8 million share awards. Â The table below reflects the share award activity for the period ended December 31, 2024: Â Schedule of Restricted Shares and Restricted Share Units Non-vested Â Â UnitsÂ Â Weighted- Average Grant Date Fair Value per UnitÂ Â Â Â Â Â Â Â Unvested share awards at June 30, 2024Â Â 3,428,604Â Â $5.02Â GrantedÂ Â 185,742Â Â Â 1.00Â VestedÂ Â (410,504)Â Â 4.10Â ForfeituresÂ Â (26,875)Â $5.22Â Unvested share awards at September 30, 2024Â Â 3,176,967Â Â $4.90Â GrantedÂ Â 5,822,024Â Â Â 0.96Â VestedÂ Â (924,430)Â Â 2.43Â ForfeituresÂ Â (21,770)Â $6.76Â Unvested awards at December 31, 2024Â Â 8,052,791Â Â $2.33Â Â As awards are granted, stock-based compensation equivalent to the fair market value of the underlying common stock on the date of grant is expensed over the requisite service period, generally four years with a maximum contractual term of ten years, using the graded vesting attribution method as acceptable under ASC 718, â€œCompensation-Stock Compensation.â€ The Company accounts for forfeitures as they occur. The fair value of share awards that vested during the quarter ended December 31, 2024 totaled $1.0 million. Â The Company recognized stock-based compensation expense of $9.5 million and $7.7 million for the six months ended December 2024 and 2023, respectively. As of December 31, 2024 and June 30, 2024, the equity compensation liability totaled nil and $0.4 million related to warrants and RSUs awarded to officers of the Company, respectively, where the performance target had not yet been achieved by employees and officers and therefore the number of warrants and RSUs underlying the awards was not yet fixed. Â As of December 31, 2024, there were approximately $20.6 million of unamortized expenses relating to outstanding equity compensation awards to be recognized over a remaining weighted-average period of 3.2 years. Â 23 Â Â AMERICAN BATTERY TECHNOLOGY COMPANY Notes to the Condensed Consolidated Financial Statements (unaudited) Â The table below presents the stock-based compensation expense per respective line item on the condensed consolidated statements of operations for the six months ended December 31: Â Schedule of Stock-Based Compensation Expense Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Cost of goods soldÂ $267,449Â Â $-Â General and administrativeÂ Â 6,836,740Â Â Â 4,083,070Â Research and developmentÂ Â 2,295,427Â Â Â 2,659,061Â ExplorationÂ Â 102,417Â Â Â 949,380Â Total stock-based compensationÂ $9,502,030Â Â $7,691,511Â Â Executive officers and selected other key employees are eligible to receive common share performance-based awards, as determined by the Board of Directors and CEO. The payouts, in the form of share awards, vary based on the degree to which corporate operating objectives are met. These performance-based awards typically include a service-based requirement, which is generally four-years. Â 16. Supplemental Statement of Cash Flow Disclosures Â For the six months ended December 31: Â Schedule of Statement of Cash Flow Disclosures Â Â 2024Â Â 2023Â Â Â Â Â Â Â Â Supplemental disclosures:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Interest paidÂ $4,575Â Â $14,462Â Â Â Â Â Â Â Â Â Â Non-cash investing and financing activities:Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Purchases of property and equipment accrued in current liabilitiesÂ Â 225,104Â Â Â -Â Deposits capitalized as investing activitiesÂ Â -Â Â Â 27,103,351Â Right-of-use asset obtained in exchange for lease liabilityÂ Â 367,643Â Â Â -Â Debt payment satisfied with common sharesÂ Â 1,742,580Â Â Â -Â Payable recognized upon rescission of subscription agreementÂ Â 875,000Â Â Â -Â Â 17. Commitments and Contingencies Â From time to time, the Company may become involved in various lawsuits and legal proceedings, which arise in the ordinary course of business. Litigation is subject to inherent uncertainties, and an adverse result in these or other matters may arise from time to time that may harm business. Except as otherwise identified herein, management is currently not aware of any such legal proceedings or claims that could have, individually or in aggregate, a material adverse effect on our business, financial condition, or operating results. Â Operating Leases Â The Company leases its principal office location in Reno, Nevada. It also leases lab space at the University of Nevada, Reno on short term leases. The principal office location lease expires on November 30, 2027 and the Lab leases expire on November 30, 2025. Consistent with the guidance in ASC 842, the Company has recorded the principal office lease in its condensed consolidated balance sheet as an operating lease. For further information on operating lease commitments, see Note 12 â€“ Leases. Â Financial Assurance: Â Nevada and other states, as well as federal regulations governing mine operations on federal land, require financial assurance to be provided for the estimated costs of mine reclamation and closure, including groundwater quality protection programs. The Company has satisfied financial assurance requirements using a combination of cash bonds and surety bonds. The amount of financial assurance the Company is required to provide will vary with changes in laws, regulations, reclamation and closure requirements, and cost estimates. At December 31, 2024, the Companyâ€™s financial assurance obligations associated with U.S. mine closure and reclamation/restoration cost estimate totaled $0.1 million, for which the Company is legally required to satisfy its financial assurance obligations for its mining properties in Tonopah, Nevada. The Company was previously released of all of its liability in the Railroad Valley region of Nevada. Â 24 Â Â Item 2. Managementâ€™s Discussion and Analysis of Financial Condition and Results of Operations Â The following discussion and analysis should be read in conjunction with our condensed consolidated financial statements and related notes in â€œItem 1. Condensed Consolidated Financial Statements.â€ References in this report to â€œAmerican Battery,â€ the â€œCompany,â€ â€œwe,â€ â€œourâ€ and â€œusâ€ are references to American Battery Technology Company and its subsidiaries. Â Forward-Looking Statements Â We make forward-looking statements in this report and may make such statements in future filings with the Securities and Exchange Commission, or SEC. We may also make forward-looking statements in our press releases or other public or shareholder communications. Our forward-looking statements are subject to risks and uncertainties and include information about our current expectations and possible or assumed future results of our operations. When we use words such as â€œmay,â€ â€œmight,â€ â€œwill,â€ â€œshould,â€ â€œbelieve,â€ â€œexpect,â€ â€œanticipate,â€ â€œestimate,â€ â€œcontinue,â€ â€œcould,â€ â€œplan,â€ â€œpotential,â€ â€œpredict,â€ â€œforecast,â€ â€œproject,â€ â€œintend,â€ â€œis focused onâ€ or similar expressions, or make statements regarding our intent, belief, or current expectations, we are making forward-looking statements. Our forward-looking statements also include, without limitation, statements about our liquidity and capital resources; our ability to continue as a going concern; our ability to successfully execute on our business strategy; our ability to raise additional capital and statements regarding our anticipated future financial condition, operating results, cash flows and business plans. Â While we believe our forward-looking statements are reasonable, you should not place undue reliance on any such forward-looking statements, which are based on information available to us on the date of this report or, if made elsewhere, as of the date made. Because these forward-looking statements are based on estimates and assumptions that are subject to significant business, economic and competitive uncertainties, many of which are beyond our control or are subject to change, actual results could be materially different. Factors that might cause such a difference include, without limitation, the risks and uncertainties discussed in this report, â€œItem 1A â€“ Risk Factorsâ€ in our Form 10-K for the year ended June 30, 2024 and from time to time in our other reports filed with the SEC. Â Other factors not currently anticipated may also materially and adversely affect our results of operations, cash flows and financial position. There can be no assurance future results will meet expectations. Forward-looking statements speak only as of the date of this report and we expressly disclaim any intent to update or alter any statements whether as a result of new information, future events or otherwise, except as may be required by applicable law. Â Overview Â American Battery Technology Company (the â€œCompanyâ€) is an integrated critical battery materials company within the lithiumâ€“ion battery industry that is working to increase the domestic U.S. production of battery materials, such as lithium, nickel, cobalt, and manganese through its exploration of new domestic-US primary resources of battery metals, development and commercialization of new technologies for the extraction of these battery metals from primary resources, and commercialization of an internally developed integrated process for the recycling of lithiumâ€“ion batteries. Through this threeâ€“pronged approach the Company is working to both increase the domestic production of these battery materials, and to ensure spent batteries have their elemental battery metals returned to the domestic manufacturing supply chain in an economical, environmentally-conscious, closedâ€“loop fashion. Â To implement this business strategy, the Company has constructed its first integrated lithiumâ€“ion battery recycling facility, which takes in waste and endâ€“ofâ€“life battery materials from the electric vehicle, stationary storage, and consumer electronics industries. The ramp-up and operations of this facility are of the highest priority to the Company, and as such it has significantly increased the resources devoted to its execution including the further internal hiring of technical staff, expansion of laboratory facilities, and purchasing of equipment. The Company has been awarded a competitively bid grant from the U.S. Advanced Battery Consortium to support a $2 million project to accelerate the development and demonstration of the technologies within this integrated lithiumâ€“ion battery recycling facility. The Company has also been awarded an additional grant from the DOE to support a $20 million project under the Bipartisan Infrastructure Law to validate, test, and deploy three next-generation disruptive advanced separation and processing recycling technologies. Â Additionally, the Company is accelerating the demonstration and commercialization of its internally developed lowâ€“cost and lowâ€“environmental impact processing train for the manufacturing of battery grade lithium hydroxide from Nevadaâ€“based sedimentary claystone resources. The Company has been awarded a competitive grant from the DOEâ€™s Advanced Manufacturing and Materials Technologies Office through the Critical Materials Innovation program to support a $4.5 million project for the construction and operation of a multiâ€“ton per day integrated continuous demonstration system to support the scaleâ€“up and commercialization of these technologies. The Company has also been awarded an additional grant award under the Bipartisan Infrastructure Law to support a $115.5 million project to design, construct, and commission a first-of-kind commercial-scale refinery to produce 30,000 MT of battery-grade lithium hydroxide per year from this resource. Â 25 Â Â ABTC has completed the construction and commissioning of its claystone to lithium hydroxide (LiOH) pilot plant, marking a significant milestone in the commercialization of its internally-developed processes to access an unrealized domestic primary lithium resource. The construction and commissioning of this pilot plant enables ABTC to demonstrate its technologies for accessing the lithium housed in its unconventional resource, Tonopah Flats Lithium Project (TFLP), in an integrated and continuous system, and to generate large amounts of battery grade lithium hydroxide for delivery to customers for qualifications and evaluation. The construction and operation of this pilot demonstration plant are supported by a competitively awarded grant from the DOE for this $4.5 million effort. Product from the pilot plant is being sent for analysis to confirm and validate the resource. Â ABTC has filed an amended Initial Assessment for its Tonopah Flats Lithium Project (TFLP). The TFLP is one of the largest identified lithium resources in the U.S., and while initial pit designs and economic analyses in previous assessments evaluated the full resource, this updated Initial Assessment utilizes a commercialization pathway with a more rigorous mine plan that contemplates utilization of only Measured and Indicated Mineral Resources, and excludes Inferred Mineral Resources, to supply the planned commercial-scale lithium hydroxide refinery. This commercialization pathway allows for an engineered phased development, with improved access to the higher quality portions of the resource, and at improved project economics. Â On March 28, 2024, ABTC was selected for an approximately $19.5 million tax credit through the Qualifying Advanced Energy Project Credits program (48C). This tax credit was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. This $19.5 million tax credit can be utilized both for the reimbursement of capital expenditures spent to date, and also for equipment and infrastructure for additional value-add operations at ABTCâ€™s battery recycling facility in the Tahoe-Reno Industrial Center (TRIC) in Storey County, Nevada. As of December 31, 2024, the Company has incurred qualifying expenditures for this tax credit but will not recognize any amounts until it has reasonable assurance of compliance with the relevant standards. The Company intends to sell the credit in order to monetize itâ€™s value. Â Also on March 28, 2024, ABTC was selected for an additional $40.5 million tax credit through the Qualifying Advanced Energy Project Credits program (48C) to support the design and construction of a new, next-generation, commercial battery recycling facility to be located in the United States. As with ABTCâ€™s initial $19.5 million tax credit under the 48C program supporting the construction and buildout of its battery recycling facility in Nevada, this additional award was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the DOE, which evaluated the feasibility of applicant facilities to advance Americaâ€™s buildout of globally competitive critical material recycling, processing, and refining infrastructure. As of December 31, 2024, the Company has not incurred any qualifying expenditures towards this tax credit. Â On September 23, 2024, the U.S. DOE announced that the Company had been selected for award negotiations for a highly competitive grant for $150 million to be applied towards the construction of a new lithium-ion battery recycling facility. On December 18, 2024, the Company received a contracted grant award for $144 million of federal investment by the DOE, with these funds awarded to the Company and its subcontractor Argonne National Laboratory, to support the construction of a new lithium-ion battery recycling facility. Â Financial Highlights: Â Â â— Revenues were $332,000 in the three months ended December 31, 2024, following the Companyâ€™s initial recognition of revenues in the fourth quarter of fiscal 2024. Â â— Cost of goods sold was $3.3 million in the three months ended December 31, 2024, include in this amount are non-cash items such as depreciation expense of $1.1 million and stock-based compensation of $0.1 million leaving cash cost of goods sold of $2.1 million. Â â— On September 23, 2024, the Company was selected for a new highly competitive grant from the U.S. DOE for $150 million and on December 18, 2024, the Company received a contracted grant award for $144 million of federal investment to construct a second lithium-ion battery recycling facility. Â â— Government grant reimbursement was $2.3 million for the six months ended December 31, 2024 compared to $1.7 million during the same period of the prior year. Out of the $2.3 million in grant funding for the six months ended December 31, 2024, $0.6 million was recorded as an offset to fixed assets, as reimbursements related to equipment purchases, and $1.7 million was recorded as an offset to research and development costs within the condensed consolidated statement of operations. Â â— As of December 31, 2024, the Company had total cash on hand of $20.6 million of which $15.6 million was available and $5.0 is restricted. Â â— Cash used in operations for the six months ended December 31, 2024 was $12.8 million, compared to $7.4 million of cash used in operations for the six months ended December 31, 2023. Â â— On November 14, 2024, the Company issued a new series of senior convertible notes (the â€œ2024 Notesâ€) in the aggregate principal amount of $12 million. Â â— In December 2024, the Company entered into two registered direct offerings, as described below, for a total amount of $15 million in gross proceeds. Â 26 Â Â Results of Operations for the Three Months Ended December 31, 2024 and 2023 Â Revenue Â During the three months ended December 31, 2024, our revenue was $0.3 million. This is related to the sale of our recycled products produced from recycling operations and followed our initial revenue generated by the Company in the fourth quarter of fiscal 2024. Â Cost of Goods Sold Â Cost of goods sold during the three months ended December 31, 2024 was $3.3 million. After the removal of non-cash items of $1.2 million such as depreciation expense of $1.1 million and stock-based compensation of $0.1 million, cash cost of goods sold was $2.1 million. The high cost of goods sold is related to the depreciation of the recycling facility fixed assets which is time based, and labor and overhead costs. We expect these costs to continue to rise on an absolute basis but will be reduced as a percentage of revenue as we scale our production and sales and gain efficiencies in the production process. Â Management uses certain non-GAAP metrics to evaluate our operating and financial results. We believe the presentation of non-GAAP results is useful to investors for analyzing business trends as well as to view the results from managementâ€™s perspective. Non-GAAP Cost of Goods sold excludes certain non-cash charges including depreciation expense and stock-based compensation. Non-GAAP results have limitations as an analytical tool, and you should not consider them in isolation or as a substitute for our results reported under GAAP. Â Operating Expenses Â During the three months ended December 31, 2024, the Company incurred $10.8 million of operating expenses compared to $8.8 million during the three months ended December 31, 2023. Â General and administrative expenses consist of personnel, stock-based compensation, office expenses, legal, recruitment, business development, public relations, and general facility expenses. For the three months ended December 31, 2024 and 2023, general and administrative expenses were $7.7 million and $4.4 million, respectively. The increase of $3.3 million in the current period primarily related to increased employee stock-based compensation, personnel costs due to increased headcount, and external, audit and insurance costs. Â Research and development expenses consist primarily of laboratory leases, supplies, personnel, stock-based compensation, and employee benefits. Research and development expenses for the three months ended December 31, 2024 and 2023 were $2.9 million and $3.6 million, respectively. The decrease in the current period is primarily due to allocation of a portion of such costs to inventory and cost of goods sold as part of phase 1 recycling operations coming online in the fourth quarter of fiscal 2024. Research and development expenses are partially offset by federal grant funds for awards the Company has contracted with various federal agencies. The Company recognized an offset to its research and development costs of $1.8 million and $0.7 million related to these awards for the three months ended December 31, 2024 and 2023 respectively. Â Exploration costs consist primarily of drilling, assay, claim fees, personnel, stock-based compensation, office and warehouse, travel, and other costs related to exploration of claims in central Nevada. Exploration expenses totaled $0.2 million for the three months ended December 31, 2024 compared to $0.8 million during the same period in the prior year. The decrease quarter-over-quarter resulted principally from higher costs in the prior year related to drilling, assaying and engineering to further define and potentially upgrade the geological classification of the mineral rights. Â Other Income (Expense) Â During the three months ended December 31, 2024, the Company recorded other income of $0.4 million, consisting of income of $1.1 million resulting from a change in the fair value of liability classified financial instruments partially offset by expense of $0.7 million for amortization of debt financing costs. Â Results of Operations for the Six Months Ended December 31, 2024 and 2023 Â Revenue Â During the six months ended December 31, 2024, our revenue was $0.5 million. This is related to the sale of our recycled products produced from recycling operations and followed our initial revenue generated by the Company in the fourth quarter of fiscal 2024. The materials were sold to several customers who took delivery at our plant . Approximately $0.2 million of revenue is attributed to materials that will remain at our plant to be further processed when phase two of the plant is complete. The customer for these materials has full ownership, rights and obligations associated with the materials, including cost of storage. Â Cost of Goods Sold Â Cost of goods sold during the six months ended December 31, 2024 was $5.8 million. After the removal of non-cash items of $2.4 million such as depreciation expense of $2.2 million and stock-based compensation of $0.2 million, cash cost of goods sold was $3.4 million. The high cost of goods sold is related to the depreciation of the recycling facility fixed assets, which is time based, and the finalization of the production process. We expect these costs to continue to rise on an absolute basis but will be reduced as a percentage of revenue as we scale our production and sales and gain efficiencies in the production process. Â Management uses certain non-GAAP metrics to evaluate our operating and financial results. We believe the presentation of non-GAAP results is useful to investors for analyzing business trends as well as to view the results from managementâ€™s perspective. Non-GAAP Cost of Goods sold excludes certain non-cash charges including depreciation expense and stock-based compensation. Non-GAAP results have limitations as an analytical tool, and you should not consider them in isolation or as a substitute for our results reported under GAAP. Â Operating Expenses Â During the six months ended December 31, 2024, the Company incurred $18.3 million of operating expenses compared to $16.8 million during the six months ended December 31, 2023. Â General and administrative expenses consist of personnel, stock-based compensation, office, legal, recruitment, business development, public relations, and general facility expenses. For the six months ended December 31, 2024, general and administrative expenses were $12.7 million, an increase of $5.2 million over the same period in the prior year primarily related to increased employee stock-based compensation, personnel costs, and audit and insurance costs. Â 27 Â Â Research and development expenses consist primarily of laboratory leases, supplies, personnel, stock-based compensation, and employee benefits. Research and development expenses for the six months ended December 31, 2024 and 2023 were $5.0 million and $7.2 million, respectively. The decrease in the current period is primarily due to allocation of a portion of such costs to inventory and cost of goods sold as part of phase 1 recycling operations coming online in the fourth quarter of fiscal 2024. These costs are partially offset by federal grant funds for awards that it has contracted with various federal agencies. The Company recognized an offset to its research and development costs of $2.3 million and $1.2 million related to these awards for the six months ended December 31, 2024 and 2023 respectively. Â Exploration costs consist primarily of drilling, assay, claim fees, personnel, stock-based compensation, office and warehouse, travel, and other costs related to exploration of claims in central Nevada. Exploration expenses totaled $0.7 million for the six months ended December 31, 2024 compared to $2.2 million during the same period in the prior year. The decrease year-over-year resulted principally from higher costs in the prior year related to drilling, assaying and engineering to further define and potentially upgrade the geological classification of the mineral rights. Â Other Income (Expense) Â During the six months ended December 31, 2024, the Company recorded other expense of $1.5 million, including $1.9 million for amortization of debt financing costs, a $0.7 million loss on debt extinguishment, and $0.6 million loss on private placement. These expenses were partially offset by other income of $0.9 million for change in fair value of liability classified instruments and $0.7 million for change in fair value of derivative liability. Â Liquidity and Capital Resources Â At December 31, 2024, the Company had cash of $20.6 million (of which $15.6 million was available and $5.0 million is restricted) and total assets of $88.3 million compared to available cash of $7.0 million and total assets of $77.7 million at June 30, 2024. On December 23, 2024, the Company issued 5,000,000 shares of common stock and warrants exercisable for up to 5,000,000 shares of common stock in exchange for gross proceeds of $5.0 million (the â€œFirst Offeringâ€). On December 27, 2024, the Company issued 3,773,586 shares of common stock and warrants exercisable for up to 3,773,586 shares of common stock in exchange for gross proceeds of $10.0 million (the â€œSecond Offeringâ€ and, together with the First Offering, the â€œOfferingsâ€). The increase of cash is due to proceeds of approximately $15 million from the Offerings and approximately $12 million from the issuance of the 2024 Notes, offset by normal transactional activities related to plant production and paydown of debt obligations. Â The Company had total current liabilities of $17.7 million at December 31, 2024, compared to $15.8 million at June 30, 2024. The increase is related to the issuance of the 2024 Notes, offset by some paydown of debt, and the timing of payments for accounts payable and accrued expenses. Â As of December 31, 2024 the Company had working capital of $12.8 million compared to $2.6 million at June 30, 2024. The positive working capital at the end of both periods results from the classification of $8.4 million of held-for-sale assets as current at December 31, 2024 and June 30, 2024 and the increase in cash due to proceeds from the Offerings and the issuance of the 2024 Notes. Absent the held-for-sale classification of certain assets, the working capital would have been a positive $4.4 million and a deficiency of $5.8 million at December 31, 2024 and June 30, 2024, respectively. Â The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. These uncertainties cause substantial doubt to exist as to the Companyâ€™s ability to continue as a going concern for 12 months from issuance of these financial statements. These condensed consolidated financial statements do not include any adjustments to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern. These adjustments could be material. Â Based on our current operating plan, unless we generate income from the operations of our facilities or raise additional capital (debt or equity), it is possible that we will be unable to maintain our financial covenants under our existing debt agreements. If such covenant violations are not waived by the holders of the Notes and the 2024 Notes, it would result in an event of default, causing an acceleration of the outstanding balances. If we do raise additional capital through public or private equity offerings, as opposed to debt issuances, the ownership interest of our existing stockholders may be diluted. Â 28 Â Â Cash Flows Â For the six months ended December 31: Â

Â Â 2024Â Â 2023Â Cash used in operating activitiesÂ $(12,815,978)Â $(7,418,700) Cash used in investing activitiesÂ Â (1,509,581)Â Â (10,868,460) Cash provided by financing activitiesÂ Â 27,947,535Â Â Â 23,613,794Â Net increase in cash during the periodÂ Â 13,621,976Â Â Â 5,326,635Â Â Cash from Operating Activities. Â During the six months ended December 31, 2024, the Company used $12.8 million of cash for operating activities, compared to $7.4 million used during the six months ended December 31, 2023. In both periods, the cash used has supported an increased scale of operations including increased employee headcount and personnel costs, increased production, and increased administrative costs related to insurance, legal and accounting. Â Cash from Investing Activities Â During the six months ended December 31, 2024, the Company used cash in investing activities of $1.5 million for acquisition of property and equipment for its recycling facilities. This is in comparison to cash used in investing activities of $10.9 million for the six months ended December 31, 2023. The decrease is due to the Companyâ€™s purchasing more equipment in the beginning stages of the recycling plant build-out in the prior year. Â Cash from Financing Activities Â During the six months ended December 31, 2024, the Company had cash provided by financing activities of $27.9 million, compared to $23.6 million provided during the six months ended December 31, 2023. The Company has relied on equity and debt financings to support its increased operating activities, the ramp up of the recycling plant, development of the lithium ore pilot plant, and upgrades to the geological category of its Tonopah claims through additional studies and assessments. Â The Company had proceeds from equity and debt financings of $23.5 million in the six months ended December 31, 2024 compared to $14.7 million in the prior year period. The increase in cash provided by equity financings in the six months ended December 31, 2024 is related to the sale of 5,938,786 shares of common stock pursuant to its at-the-market (â€œATMâ€) sales agreement for total proceeds of $6.3 million and proceeds from the Offerings; partially offset by paydowns of previous secured convertible notes. Â Working Capital Â Â Â December 31, 2024Â Â June 30, 2024Â Current assetsÂ $30,484,727Â Â $18,406,048Â Current liabilitiesÂ Â 17,691,807Â Â Â 15,798,298Â Working capitalÂ Â 12,792,920Â Â Â 2,607,750Â Â Future Financing Â The Company will continue to rely on sales of our common shares, debt, or other financing to fund our business operations as needed beyond any revenue generated from internal operations and the government tax credits and grants we have been awarded. Issuances of additional shares will result in dilution to existing stockholders. There is no assurance that we will achieve any additional sales of the securities or arrange for debt or other financing to fund planned operating activities, acquisitions and exploration activities. Â 29 Â Â Critical Accounting Estimates Â Our condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (â€œU.S. GAAPâ€). The preparation of the condensed consolidated financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and disclosure of contingent assets and liabilities at the date of the condensed consolidated financial statements and the reported amounts of revenue and expenses during the reporting periods. We evaluate our estimates and assumptions on an ongoing basis using historical experience and other factors and adjust those estimates and assumptions when facts and circumstances dictate. Actual results could differ materially from those estimates and assumptions. Â While some of our significant accounting policies are more fully described in Note 2, â€œSummary of Significant Accounting Policiesâ€ in the notes to our condensed consolidated financial statements in this Quarterly Report on Form 10-Q, all our critical accounting policies and significant estimates are detailed in our Annual Report on Form 10-K for the year ended June 30, 2024. Â Off-Balance Sheet Arrangements Â As of December 31, 2024, we had no off-balance sheet arrangements. Â Item 3. Quantitative and Qualitative Disclosures about Market Risk Â Not Applicable. Â Item 4. Controls and Procedures Â Controls and Procedures Â Evaluation of Disclosure Controls and Procedures Â We maintain disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act of 1934, as amended (the â€œExchange Actâ€). Disclosure controls and procedures are controls and other procedures designed to ensure that the information required to be disclosed by us in the reports that we file or submit under the Exchange Act (15 U.S.C. 78a et seq.) is recorded, processed, summarized, and reported within the time periods specified in the SECâ€™s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our principal executive officer and our principal financial officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable and not absolute assurance of achieving the desired control objectives, and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. Â 30 Â Â The Companyâ€™s management, with the participation of the Chief Executive Officer and Chief Financial Officer of the Company, carried out an evaluation of the effectiveness of the design and operation of the Companyâ€™s disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) of the Exchange Act) as of December 31, 2024, the end of the period covered by this report. Based on such evaluation, the Companyâ€™s Chief Executive Officer and Chief Financial Officer have concluded that, as of December 31, 2024, the Companyâ€™s disclosure controls and procedures are not effective, based on the material weaknesses described below. Â Material Weakness in Internal Control over Financial Reporting Â Our management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) of the Exchange Act). Management, with the participation of the principal executive officer and principal financial officer, under the oversight of our Board of Directors, assessed the effectiveness of our internal control over financial reporting as of December 31, 2024 based on the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in Internal Control-Integrated Framework (2013 Framework). Based on this assessment, management concluded that, as of December 31, 2024, our internal control over financial reporting was not effective, due to the material weaknesses in internal control over financial reporting, described below. Â Internal control over financial reporting is a process designed under the supervision and with the participation of our management, including the individuals serving as our principal executive officer and principal financial officer, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America. Â A material weakness is a deficiency, or combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of annual or interim financial statements will not be prevented or detected on a timely basis. Â The Company did not have a sufficient complement of personnel with appropriate technical expertise to perform an effective risk assessment. In addition, the Company did not maintain proper segregation of duties related to accounting processes. As a consequence, internal control deficiencies related to the design and operation of process-level controls were determined to be pervasive throughout the Companyâ€™s financial reporting processes. While these material weaknesses did result in immaterial misstatements of the Companyâ€™s consolidated financial statements, these material weaknesses create a reasonable possibility that a material misstatement of account balances or disclosures in the consolidated financial statements may not be prevented or detected in a timely manner. Therefore, we concluded that the deficiencies represent material weaknesses in the Companyâ€™s internal control over financial reporting and our internal control over financial reporting was not effective as of December 31, 2024. Â Remediation Plan Â During the fiscal year ended June 30, 2024, remediation efforts included removing accounting personnel access to both create and post a journal entry, moving the systems administration tasks to personnel outside of the accounting department, and adding review procedures by qualified personnel over complex accounting matters by way of engaging third-party professionals with whom to consult regarding complex accounting applications and valuations. However, there is no guarantee that these measures will remediate the material weaknesses described above. Â In addition to the steps taken outlined above, in July 2024, we hired a new corporate controller with extensive experience in technical accounting, SEC reporting and internal control over financial reporting. In October 2024, we hired a senior accountant with public accounting and public company reporting experience, which will help to mitigate the segregation of duties weakness. We plan to continue to utilize an outside CPA firm for technical expertise and we plan to perform a complete risk assessment to update our control procedures. We expect these additional steps will help mitigate the technical expertise weakness, the segregation of duties weakness and identify any other areas of risk to be incorporated in our overall internal control plan. We expect to remediate these material weaknesses by the end of fiscal year 2025. The Company is currently conducting a diligent search for a permanent Chief Financial Officer with relevant and extensive experience in accounting and finance. Â We are committed to ensuring that our internal control over financial reporting is designed and operating effectively. While we believe procedures are in place as of December 31, 2024 to address the material weaknesses, remediation steps are required to be in place and effective for an adequate period of time. We cannot provide assurance that such material weaknesses will be remediated, and we may discover additional material weaknesses that may require additional time and resources to remediate. Â Changes in Internal Control over Financial Reporting Â Except as noted above with respect to the completion of certain steps in the remediation plan, there was no change in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) that occurred during the fiscal quarter covered by this Interim Report on Form 10â€“Q that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting. Â 31 Â Â PART II â€“ OTHER INFORMATION Â Item 1. Legal Proceedings Â We may be involved in certain routine legal proceedings from time to time before various courts and governmental agencies. We cannot predict the final disposition of such proceedings. We regularly review legal matters and record provisions for claims considered probable of loss. The resolution of these pending proceedings is not expected to have a material effect on our operations or consolidated financial statements in the period in which they are resolved. Â Item 1A. Risk Factors Â Our business is subject to various risks, including those described in Part I, Item 1A of our Annual Report on Form 10-K for the year ended June 30, 2024. There have been no changes to the risk factors set forth in our Annual Report on Form 10-K for the year ended June 30, 2024 under â€œItem 1A - Risk Factorsâ€ and in our Quarterly Report on Form 10-Q for the quarter ended September 30, 2024 under â€œItem 1A â€“ Risk Factorsâ€. Additionally, the Trump Administration has issued numerous Executive Orders (â€œEOsâ€), including the Unleashing American Energy Executive Order on January 20, 2025, which requires an immediate pause in the disbursement of funds appropriated through the Inflation Reduction Act of 2022 during a 90-day review period. The Company is currently evaluating these EOs and other related memoranda to determine what, if any, impact they might have on awards selected or received from the DOE. This pause, or a similar pause, particularly if extended, could delay the timing of projects, and could have a material adverse impact on our business, financial condition, and results of operations. Â Item 2. Unregistered Sales of Equity Securities and Use of Proceeds. Â None. Â Item 3. Defaults Upon Senior Securities. Â None. Â Item 4. Mine Safety Disclosures. Â Not applicable. Â 32 Â Â Item 5. Other Information. Â Departure of Chief Financial Officer Â On February 10, 2025, Paul McGarry notified the Company of his intent to step down as Interim Chief Financial Officer, effective February 21, 2025 (the â€œRetirement Dateâ€). Mr. McGarryâ€™s departure is not related to any disagreement with the Company on any matter relating to the Companyâ€™s operations, policies, or practices. Â Appointment of Interim Chief Financial Officer Â On February 13, 2025, the Board of Directors of the Company appointed Jesse Deutsch to serve as Interim Chief Financial Officer of the Company, effective February 21, 2025. The Board of Directors of the Company previously initiated, and continues, a diligent search for Mr. Deutschâ€™s permanent replacement. Â Mr. Deutsch, 60, previously served as the Companyâ€™s Chief Financial Officer from May 22, 2023 to January 31, 2025.Â Mr. Deutsch is returning to the Company out of retirement following Mr. McGarryâ€™s departure in order to serve as the Companyâ€™s Interim Chief Financial Officer while the Company conducts its search for his permanent replacement.Â Mr. Deutsch has over 25 years of finance experience in world-class multinational corporations in the U.S. and abroad. He has led several businesses through transformative high-growth phases and has completed more than 75 M&A transactions with strategic partners. He joins the Company with nearly 20 years serving in the role as Chief Financial Officer with global brands such as Kraft Foods and Aramark Inc., and over the course of his tenure has served in executive financial leadership roles at companies such as Visa, and Philip Morris. Mr. Deutsch has in-depth experience in establishing transformative finance processes and has led large systems implementations. He has an MBA from New York University and a Bachelor of Science in economics from The Wharton School of the University of Pennsylvania. Â There is no arrangement or understanding between Mr. Deutsch and any other persons, pursuant to which he was selected as Interim Chief Financial Officer. Mr. Deutsch has not engaged in any transaction, or any currently proposed transaction, in which the Company was or is to be a participant and the amount involved exceeds $120,000, and in which any related person had or will have a direct or indirect material interest. There are no family relationships between Mr. Deutsch and any director or executive officer of the Company. Â On February 13, 2025, the Company entered into an Offer Letter (the â€œOffer Letterâ€) with Mr. Deutsch, pursuant to which Mr. Deutsch will be an at-will employee of the Company. Pursuant to the Offer Letter, Mr. Deutsch will receive an annual base salary of $280,000 and a one-time signing bonus of $25,000.Â The foregoing descriptions of the Offer Letter are qualified in their entirety by reference to the full text of the Offer Letter, a copy of which is filed as Exhibit 10.12 hereto, and the terms of which are incorporated by reference. Â Item 6. Exhibits Â The following exhibits are either provided with this Annual Report or are incorporated herein by reference: Â Exhibit Â Description Â Filed Herein Â Incorporated Date Â By Form Â Reference Exhibit 3.1 Â Certificate of Amendment to Articles of Incorporation Â Â Â 11/14/2024 Â 8-K Â 3.1 4.1 Â Form of Senior Secured Convertible Note Â Â Â 12/13/2024 Â S-1 Â 10.1 4.2 Â Form of Common Stock Purchase Warrant Â Â Â 12/23/2024 Â 8-K Â 4.1 4.3 Â Form of Common Stock Purchase Warrant Â Â Â 12/27/2024 Â 8-K Â 4.1 10.1 Â American Battery Technology Company 2024 Employee Stock Purchase Plan Â Â Â 12/02/2024 Â S-8 Â 99.2 10.2 Â Offer Letter, by and between American Battery Technology Company and Jesse Deutsch, executed November 21, 2024 Â Â Â 11/27/2024 Â 8-K Â 10.1 10.3 Â Offer Letter, by and between American Battery Technology Company and Ryan Melsert, executed November 22, 2024 Â Â Â 11/27/2024 Â 8-K Â 10.2 10.4 Â Offer Letter, by and between American Battery Technology Company and Steven Wu, executed November 21, 2024 Â Â Â 11/27/2024 Â 8-K Â 10.3 10.5 Â Offer Letter, by and between American Battery Technology Company and Scott Jolcover, executed November 21, 2024 Â Â Â 11/27/2024 Â 8-K Â 10.4 10.6 Â Amendment to Securities Purchase Agreement, dated November 14, 2024, by and among American Battery Technology Company, High Trail Investments ON LLC and High Trail Special Situations LLC (including Form of Senior Secured Convertible Note) Â Â Â 12/13/2024 Â S-1 Â 10.1 10.7 Â Amendment to Securities Purchase Agreement, dated December 20, 2024, by and among American Battery Technology Company, High Trail Investments ON LLC and High Trail Special Situations LLC Â x Â Â Â Â Â Â 10.8 Â Form of Securities Purchase Agreement, dated as of December 19, 2024, among American Battery Technology Company and the investors named therein Â Â Â 12/23/2024 Â 8-K Â 10.1 10.9 Â Amendment to Subsequently Purchased Notes, dated December 19, 2024, among American Battery Technology Company and the investors named therein Â Â Â 12/23/2024 Â 8-K Â 10.2 10.10 Â Form of Securities Purchase Agreement, dated as of December 26, 2024, among American Battery Technology Company and the investors named therein Â Â Â 12/27/2024 Â 8-K Â 10.1 10.11 Â DOE Grant Award DE-MS0000104, dated December 16, 2024 Â x Â Â Â Â Â Â 10.12 Â Offer

Letter, by and between American Battery Technology Company and Jesse Deutsch, executed February 13, 2025 Â x Â Â Â Â Â Â 31.1 Â Rule 13a-14(a)/ 15d-14(a) Certification of Chief Executive Officer Â x Â Â Â Â Â Â 31.2 Â Rule 13a-14(a)/ 15d-14(a) Certification of Chief Financial Officer Â x Â Â Â Â Â Â 32.1 Â Section 1350 Certification of Chief Executive Officer* Â Â Â Â Â Â Â Â 32.2 Â Section 1350 Certification of Chief Financial Officer* Â Â Â Â Â Â Â Â 101 Â INS Inline XBRL Instant Document. Â x Â Â Â Â Â Â 101 Â SCH Inline XBRL Taxonomy Extension Schema Document Â x Â Â Â Â Â Â 101 Â CAL Inline XBRL Taxonomy Extension Calculation Linkbase Document Â x Â Â Â Â Â Â 101 Â LAB Inline XRBL Taxonomy Label Linkbase Document Â x Â Â Â Â Â Â 101 Â PRE Inline XBRL Taxonomy Extension Presentation Linkbase Document Â x Â Â Â Â Â Â 101 Â DEF Inline XBRL Taxonomy Extension Definition Linkbase Document Â x Â Â Â Â Â Â 104 Â Cover Page Interactive Data File (embedded within the Inline XBRL document) Â x Â Â Â Â Â Â Â Â *Furnished herewith. Â 33 Â Â SIGNATURES Â Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. Â AMERICAN BATTERY TECHNOLOGY COMPANY (Registrant) Â Date: February 14, 2025 By: /s/ Ryan Melsert Â Â Ryan Melsert Â Â Chief Executive Officer (Principal Executive Officer) Â Â Â Date: February 14, 2025 By: /s/ Paul E. McGarry Â Â Paul E. McGarry Â Â Interim Chief Financial Officer (Principal Accounting Officer) Â 34 Â EX-10.7 2 ex10-7.htm Â Exhibit 10.7 Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â EX-10.11 3 ex10-11.htm Â Exhibit 10.11 Â Â Â Â Â Â Â Â Â Â Â Â EX-10.12 4 ex10-12.htm Â Exhibit 10.12 Â Â February 13, 2025 Â Jesse Deutsch Â Via E-Mail: jessedeutsch@comcast.net Â Dear Mr. Deutsch, Â On behalf of American Battery Technology Company (the â€œCompanyâ€), I am pleased to outline in this letter (the â€œOffer Letterâ€ or â€œAgreementâ€) the terms and conditions on which we are extending your position of Interim Chief Financial Officer of the Company. This Offer Letter will not constitute an agreement until it has been fully executed by both parties. Â 1. Position and Duties. Â 1.1 Position. Subject to the terms and conditions hereof, this contract becomes effective as of February 21, 2025 (the â€œEmployment Dateâ€). Â 1.2 Responsibilities. As an officer of the Company, you will report to the Companyâ€™s Chief Executive Officer (â€œCEOâ€) and have such duties and responsibilities as may be assigned to you from time to time. Â 1.3 Exclusive Services. During your employment by the Company, you shall not, without the express prior written consent of the Company, engage directly or indirectly in any activity that relates to any line of business in which the Company or any of its Affiliates. For the purposes of clarity, nothing in this Agreement shall prevent you from owning, in the aggregate, five percent (5%) or less of the outstanding equity interests of a company whose securities are traded on a national security exchange or on an over-the-counter market. Â 1.4 No Employment Restriction. You hereby represent and covenant that, except as disclosed to the Company, your employment by the Company does not violate any agreement or covenant to which you are subject or by which you are bound and that there is no such agreement or covenant that could restrict or impair your ability to perform your duties or discharge your responsibilities to the Company. Â 2. Compensation. Â 2.1 Base Salary. Your annual base salary is $280,000 and paid according to the Companyâ€™s regular payroll practice throughout the calendar year, pro-rated for any partial periods based on the actual number of days in the applicable period. You are also entitled to a one-time signing bonus of $25,000, payable within 14 days of your Employment Date. Â Â Â Â 3. Benefits. Â 3.1 Benefit Program. Effective as of the Employment Date, you will be eligible to participate in the Companyâ€™s benefit programs available to other employees of the Company at your level. Â 3.2 Unlimited Time-Off Policy. The system is known as â€œunlimited time-off policyâ€ or â€œunlimited paid time off.â€ It is a vacation policy that allows employees to take as much free time as they feel they need as long as it does not interfere with their work responsibilities, work completion, and the quality of their work. The system is designed to provide the employee flexibility as a reward for making productive use of work hours. The employee is paid for the time they take off from their job. The employee cannot take off more than fourteen consecutive calendar days. Paid time off (â€œPTOâ€) is not counted or allocated, and is not accrued, and the employee takes off as much time as needed for vacation, family issues, sick days, etc. Should the employeeâ€™s time off impact their productivity, the employeeâ€™s time off will be more closely monitored and compared to the job responsibilities of that employee. Unlimited paid time off is a reward for job excellence, not an entitlement. Â 3.3 Reimbursement. You will be reimbursed for out-of-pocket expenses reasonably incurred in connection with the performance of your duties in accordance with the Companyâ€™s policies as established from time to time. Â 3.4 No Other Benefits. You will not be entitled to any benefit or perquisite other than as specifically set out in this Offer Letter or separately agreed to in writing by the Company. Â 4. Termination; Payments and Entitlements upon Termination Â 4.1 Employment Term. The employment term and your employment hereunder may be terminated by either the Company or by you at any time and for any reason, provided that the party terminating your employment hereunder required to give the other party at least thirty (30) daysâ€™ advance written notice. Â 4.2 Termination Due to Death or Disability. In the event your employment is terminated by death or Disability, you or your dependents will be entitled to accrued but unpaid salary owed to you through the date of termination and reimbursement for any legitimate business expenses. Further, the Company will pay for twelve (12) months of COBRA coverage for you (if termination is due to your Disability) or your dependents (if termination is due to your death). â€œDisabilityâ€ shall mean an event which results in the Participant being (i) unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than 12 months, or (ii), by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than 12 months, receiving income replacement benefits for a period of not less than three months under an accident and health plan covering employees of the Company or its subsidiaries. Â 2 Â Â 4.3 Resignation. If you are a director or officer of the Company, or a director or an officer of a company affiliated or related to the Company at the time of your termination, you will be deemed to have resigned all such positions on the date of your termination, and you agree that upon termination you will execute such tenders of resignation as may be requested by the Company to evidence such resignations. Â 4.4 Cooperation. From and after termination, you agree, upon the Companyâ€™s request, to cooperate in any investigation, litigation, arbitration, or regulatory proceeding regarding events that occurred during the time of your employment by the Company or its Affiliates. You will make yourself available to consult with Companyâ€™s counsel, to provide information, to appear for testimony and take such other measures as the Company may reasonably request in respect of your cooperation. The Company will, to the extent permitted by law, reimburse you for any reasonable out-of-pocket expenses that you incur in extending such cooperation, so long as you provide the Company with advance written notice of your request for reimbursement and provide satisfactory documentation of such expenses. Â 5. Restrictive Covenants. Â 5.1 Confidentiality. Â (a) You acknowledge that in the course of carrying out, performing, and fulfilling your obligations to the Company hereunder, you will have access to and will be entrusted with information that would reasonably be considered confidential to the Company or its Affiliates, the disclosure of which to competitors of the Company, its Affiliates, or to the general public, will be highly detrimental to the best interests of the Company or its Affiliates. Such information includes, without limitation, trade secrets, know-how, marketing plans and techniques, cost figures, client lists, software, and information relating to employees, suppliers, customers and persons in contractual relationship with the Company, technical information, lists of asset sources, the processes and practices of the Company, all information contained in electronic or computer files, all financial information, salary and wage information (except for your own), and any other information that is designated by the Company or its Affiliates as confidential or that you know is confidential, information provided by third parties that the Company or its Affiliates are obligated to keep confidential, and all other proprietary information of the Company or its Affiliates (â€œConfidential Informationâ€). Except as may be required in the course of carrying out your duties hereunder, you covenant and agree that you will not disclose, for the duration of your employment or at any time thereafter, any such information to any person, other than to the directors, officers, employees or agents of the Company that have a need to know such information, nor shall you use or exploit, directly or indirectly, such information for any purpose other than for the purposes of the Company, nor will you disclose or use for any purpose, other than for those of the Company or its Affiliates, any other information which you may acquire during your employment with respect to the business and affairs of the Company or its Affiliates. You further covenant and agree for the duration of your employment and at any time thereafter to exercise the highest degree of care in safeguarding confidential information against loss, theft, or other inadvertent disclosure and agree generally to take all steps necessary or requested by the Company to ensure maintenance of the confidentiality of the confidential information. Notwithstanding all the foregoing, you shall be entitled to disclose such information if required pursuant to a subpoena or order issued by a court, arbitrator, or governmental body, agency or official, provided you shall first have: Â (i) notified the Company; Â (ii) consulted with the Company on whether there is an obligation or defense to providing some or all the requested information; and Â (iii) if the disclosure is required or deemed advisable, cooperate with the Company to obtain an order or other assurance that such information will be accorded confidential treatment. Â 3 Â Â Your obligations under this Offer Letter with regard to any particular Confidential Information shall commence immediately upon your first having access to such Confidential Information (whether before or after you begin employment with the Company) and shall continue during and after your employment by the Company until such time as such Confidential Information has become public knowledge other than as a result of your breach of this Offer Letter or breach by those acting in concert with the you or on your behalf. Â (b) Notwithstanding the foregoing, you may disclose information relating to your own compensation and benefits to your spouse, attorneys, financial advisors, and taxing authorities. Please note that pursuant to rules promulgated by the U.S. Securities and Exchange Commission under the Securities Exchange Act of 1934 in effect as of the date hereof, the amount and components of your compensation may be required to be publicly disclosed on an annual basis. Â (c) Nothing herein prohibits or restricts you (or your attorney) from initiating communications directly with, responding to any inquiry from, or providing testimony before the Securities and Exchange Commission (SEC), the Financial Industry Regulatory Authority (FINRA), any other self-regulatory organization, or any other federal or state regulatory authority regarding a securities law violation. Â 5.2 Intellectual Property. You acknowledge and agree that all right, title, and interest in and to any information, trade secrets, advances, discoveries, improvements, formulae, techniques, processes, research materials, databases, and know-how, whether or not patentable, and whether or not reduced to practice, that are made, conceived, or developed by you, either alone or jointly with others, if on the Companyâ€™s time, using Companyâ€™s facilities, or relating to the business or affairs of the Company, shall belong exclusively to the Company. You agree that the Company shall be the sole owner of all domestic and foreign patents or other rights pertaining thereto, and further agree to execute all documents that the Company reasonably determines to be necessary or convenient for use in applying for, prosecuting, perfecting, or enforcing patents or other intellectual property rights, including the execution of any assignments, patent applications, or other documents that the Company may reasonably request. Additionally, you agree that all original works of authorship not otherwise within the scope of the preceding sentence that are conceived or developed during your engagement with the Company, either alone or jointly with others, if on the Companyâ€™s time, using Companyâ€™s facilities, or relating to the Company shall be owned exclusively by the Company. You agree that the Company shall be the sole owner of all rights pertaining thereto, and further agree to execute all documents that the Company determines to be necessary or convenient for establishing in the Companyâ€™s name the copyright to any such original works of authorship. In connection with the foregoing, you agree to execute any assignments and/or acknowledgements as may be requested by the Company from time to time. You agree not to claim an interest in any inventions, copyrighted material, patents, or patent applications unless you demonstrate that any such invention, copyrighted material, patent, or patent application was developed before you began providing any services for the Company. This provision is intended to apply only to the extent permitted by applicable law. Â 4 Â Â 5.3 Corporate Opportunities. Any business opportunities related to the business of the Company which become known to you during your employment with the Company must be fully disclosed and made available to the Company by you, and you agree not to take or attempt to take any action if the result would be to divert from the Company any opportunity which is within the scope of its existing or future business. Â 5.4 Material Non-Public Information. You acknowledge that information about the Company received by you during the term of your employment may constitute material, non-public information and you are aware of the restrictions imposed by the United States securities laws on (a) the purchase or sale of securities by any person who is aware of material, non-public information and (b) on the communication of such information to any other person who may purchase or sell such securities on the basis of such information (including those persons who may be permitted to receive such information). You agree that you will comply with all applicable federal and state securities laws in connection with the purchase or sale, directly or indirectly, of securities of the Company or any other company for which you receive confidential information in connection with your employment. You further agree to comply in all respects with the Companyâ€™s Insider Trading Policy and Insider Reporting Procedures with respect to any securities of the Company that you may acquire, and you will comply with all other Companyâ€™s policies that may be applicable to you from time to time. Â 5.5 Non-Disparagement. You will not disparage the Company or any of its Affiliates, directors, officers, employees or other representatives in any manner and you will in all respects avoid any negative criticism of the Company. This Section 5.5 does not, in any way, restrict or impede you from exercising protected rights to the extent that such rights cannot be waived by agreement or from complying with any applicable law or regulation or a valid order of a court of competent jurisdiction or an authorized government agency, provided that such compliance does not exceed that required by the law, regulation, or order. The Company agrees and covenants that it shall direct its officers and directors to refrain from making any defamatory or disparaging remarks, comments, or statements concerning you to any third parties. Â 5.6 Injunctive Relief. You acknowledge and agree that in the event of a breach of the covenants, provisions, and restrictions in this Section 5, the Companyâ€™s remedy in the form of monetary damages will be inadequate and that the Company shall be, and is hereby, authorized and entitled, in addition to all other rights and remedies available, to apply for and obtain from a court of competent jurisdiction interim and permanent injunctive relief and an accounting of all profits and benefits arising out of such breach. You acknowledge that the restrictions in this Section 5 are reasonable, and you acknowledge that the operation of restrictions contained in this Section 5 may seriously constrain your freedom to seek other remunerative employment. If any of the restrictions are determined to be unenforceable as going beyond what is reasonable in the circumstances for the protection of the interests of the Company but would be valid, for example, if the scope of their time periods or geographic areas were limited, you consent to the court making such modifications as may be required and such restrictions shall apply with such modifications as may be necessary to make them valid and effective. Â 5 Â Â 5.7 Survival of Restrictions. Each provision of this Section 5 shall survive the termination of this Offer Letter or the termination of your employment (regardless of the reason for such termination). Â 6. General Provisions. Â 6.1 Entire Agreement. This Offer Letter, together with the plans and documents referred to herein, constitutes and expresses the whole agreement of the parties hereto with reference to any of the matters or things herein provided for or herein before discussed or mentioned with reference to your employment. All promises, representations, collateral agreements, and undertakings not expressly incorporated in this Offer Letter are hereby superseded by this Offer Letter. Â 6.2 Amendment. This Offer

Letter may be amended or modified only by a writing signed by both of the parties hereto. Â 6.3 Assignment. This Offer Letter may be assigned by the Company to any successor to its business or operations. Your rights hereunder may not be transferred by you except by will or by the laws of descent and distribution and except as far as applicable law may otherwise require. Any assignment in violation of the preceding sentence shall be void. Â 6.4 Governing Law; Consent to Personal Jurisdiction, Venue and Arbitration. This Offer Letter takes effect upon its acceptance by you and execution by the Company. The validity, interpretation, and performance of this Offer Letter shall be governed, interpreted, and construed in accordance with the laws of the State of Nevada without giving effect to the principles of comity or conflicts of laws thereof. You hereby consent to personal jurisdiction and venue, for any action brought by the Company arising out of a breach or threatened breach of this Offer Letter, or out of the relationship established by this Offer Letter, exclusively in the United States District Court for the District of Nevada, Reno Division, or in the Second Judicial District, Washoe County, Nevada. Except for disputes, controversies, or claims or other actions seeking injunctive or equitable relief, which may be brought before any court having jurisdiction, any controversy, dispute, or claim (â€œClaimâ€) whatsoever between you on the one hand, and the Company, or any of its Affiliates or any employees, officers, directors, agents, and representatives of the Company or its Affiliates on the other hand, shall be settled by binding arbitration, at the request of either party, under the Employment Arbitration Rules and Mediation Procedures of the American Arbitration Association. The arbitrator shall apply Nevada law. The demand for arbitration must be in writing and made within the applicable statute of limitations period. The arbitration shall take place in Reno, Nevada, or in another location mutually agreed to by the parties. The parties shall be entitled to conduct reasonable discovery, including conducting depositions and requesting documents. The arbitrator shall have the authority to resolve discovery disputes, including but not limited to determining what constitutes reasonable discovery. The arbitrator shall prepare in writing and timely provide to the parties a decision and award which includes factual findings and the reasons upon which the decision is based. The decision of the arbitrator shall be binding and conclusive on the parties, except as may otherwise be required by law. Judgment upon the award rendered by the arbitrator may be entered in any court having proper jurisdiction. Each party shall bear its or his own fees and costs incurred in connection with the arbitration, except that the arbitrator may award attorneysâ€™ fees and costs in accordance with applicable law. Â You understand and agree that by using arbitration to resolve any Claims between you and the Company (or its Affiliates) you are giving up any right that you may have to a judge or jury trial regarding those Claims. Â 6 Â Â 6.5 Severability. The invalidity of any one or more of the words, phrases, sentences, clauses, or sections contained in this Offer Letter shall not affect the enforceability of the remaining portions of the Offer Letter or any part thereof, all of which are inserted conditionally on their being valid in law, and, in the event that any one or more of the words, phrases, sentences, clauses, or sections contained in the Offer Letter shall be declared invalid, the Offer Letter shall be construed as if such invalid word or words, phrase or phrases, sentence or sentences, clause or clauses, or section or sections had not been inserted. Â 6.6 Section Headings and Gender. The section headings herein are for reference purposes only and shall not affect in any way the meaning or interpretation of this Offer Letter. Â 6.7 No Term of Employment. Nothing herein obligates the Company to continue to employ you. Where lawfully permitted in any jurisdiction in which you perform employment responsibilities on behalf of the Company, your employment shall be at will. Â 6.8 Indemnification. The Company will indemnify and hold you harmless to the maximum extent permitted by applicable law against judgments, fines, amounts paid in settlement and reasonable expenses, including reasonable attorneysâ€™ fees, in connection with the defense of, or as a result of any action, suit, or proceeding, whether civil, criminal, administrative, or investigative (a â€œProceedingâ€) (or any appeal from any such Proceeding), other than any Proceeding initiated by you or the Company related to any contest or dispute between you and the Company with respect to this Offer Letter or your employment hereunder, in which you are made or are threatened to be made a party by reason of the fact that you are or were an director, officer, member, employee, or agent of the Company or any Affiliate. In addition, the Company agrees that you shall be covered and insured up to the maximum limits provided by any insurance which the Company maintains to indemnify its directors and officers (as well as any insurance that it maintains to indemnify the Company for any obligations which it incurs because of its undertaking to indemnify its officers and directors). Costs and expenses incurred by you in defense of a Proceeding (including attorneysâ€™ fees) shall be paid by the Company in advance of the final disposition of such litigation upon receipt by the Company of: (i) a written request for payment; (ii) appropriate documentation evidencing the incurrence, amount, and nature of the costs and expenses for which payment is being sought; and (iii) an undertaking adequate under applicable law made by or on your behalf to repay the amounts so paid if it shall ultimately be determined that the you are not entitled to be indemnified by the Company under this Offer Letter. Â 6.9 Survivorship. Upon the termination of your employment, the respective rights and obligations of the parties shall survive such termination to the extent necessary to carry out the intended preservation of such rights and obligations. Â 7 Â Â 6.10 Taxes. All payments under this Offer Letter shall be subject to withholding of such amounts, if any, relating to tax or other payroll deductions as the Company may determine and should withhold pursuant to any applicable law or regulation. Â 6.11 Set-Off. The Company may set off any amount or obligation which may be owed by you to the Company against any amount or obligation owed by the Company to you. Â 6.12 Records. All books, records, and accounts relating in any manner to the Company or to any suppliers, customers, or clients of the Company, whether prepared by you or otherwise coming into your possession, shall be the exclusive property of the Company and immediately returned to the Company upon termination of employment or upon request at any time. Â 6.13 Return of Company Property. You agree not to remove (either physically or electronically) any property belonging to the Company from the Companyâ€™s premises, except as required in the ordinary course of your employment, unless the Company grants you express written authorization to do so. Upon the termination of your employment, and earlier if the Company requests at any time, you shall deliver to the Company (and shall not keep copies in your possession or deliver to any other person or entity) all of the Companyâ€™s property in your possession. This requirement to return the Companyâ€™s property shall also be a condition of the Companyâ€™s right to keep an amount of money or benefit paid to you upon your termination, if any. Further, the Company has the right to pursue all legal remedies to: (i) achieve the return of Company property; (ii) recoup any money, or value of any benefit, paid to you upon your termination; and (iii) obtain reasonable attorneysâ€™ fees, costs, or disbarments incurred in the exercise of its legal rights under this Section. Â 6.14 Counterparts. This Offer Letter may be executed in counterparts, each of which shall be deemed to be an original but all of which together shall constitute the same instrument. Â 6.15 Consultation with Counsel. You acknowledge that you have conferred with your own legal counsel with respect to this Offer Letter, and that you understand the restrictions and limitations that it imposes upon your conduct. Please indicate your acceptance of this offer by returning one signed original of this Offer Letter. Yours truly, Â /s/ Ryan Melsert Â February 13, 2025Â Â Â Â Â Â Â Â Â Â Â Â Â Ryan Melsert Â Date CEO Â Â American Battery Technology Company Â Â Â I accept this offer of employment and agree to be bound by the terms and conditions listed herein. Â /s/ Jesse Deutsch Â February 13, 2025Â Â Â Â Â Â Â Â Â Â Â Â Â Jesse Deutsch, Interim CFO Â Date American Battery Technology Company Â Â Â 8 EX-31.1 5 ex31-1.htm Â EXHIBIT 31.1 Â The certification required by Rule 13aâ€“14(a) (17 CFR 240.13aâ€“14(a)) or Rule 15dâ€“14(a) (17CFR 240. 15dâ€“14(a)) Â I, Ryan Melsert, certify that: Â 1. I have reviewed this Form 10â€“Q of American Battery Technology Company (the â€œRegistrantâ€); Â Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Registrant as of, and for, the periods presented in this report; Â Â 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 13aâ€“15(e) and 15d â€“ 15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13aâ€“15(f) and 15dâ€“15(f) for the Registrant and have: Â (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â (b) Designed such internal control over financing reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â (c) Evaluated the effectiveness of the Registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â (d) Disclosed in this report any change in the Registrantâ€™s internal control over financial reporting that occurred during the Registrantâ€™s most recent fiscal quarter (the Registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrantâ€™s internal control over financial reporting; and Â 5. The Registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrantâ€™s auditors and the audit committee of the Registrantâ€™s board of directors (or persons performing the equivalent functions): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrantâ€™s ability to record, process, summarize and report financial information; and Â (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrantâ€™s internal control over financial reporting. Â Date: February 14, 2025 By: /s/ Ryan Melsert Â Â Ryan Melsert Â Â Chief Executive Officer (Principal Executive Officer) Â Â Â EX-31.2 6 ex31-2.htm Â EXHIBIT 31.2 Â The certification required by Rule 13aâ€“14(a) (17 CFR 240.13aâ€“14(a)) or Rule 15dâ€“14(a) (17CFR 240. 15dâ€“14(a)) Â I, Paul E. McGarry, certify that: Â 1. I have reviewed this Form 10â€“Q of American Battery Technology Company (the â€œRegistrantâ€); Â Â 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; Â Â 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the Registrant as of, and for, the periods presented in this report; Â Â 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 13aâ€“15(e) and 15d â€“ 15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13aâ€“15(f) and 15dâ€“15(f) for the Registrant and have: Â (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; Â (b) Designed such internal control over financing reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; Â (c) Evaluated the effectiveness of the Registrantâ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and Â (d) Disclosed in this report any change in the Registrantâ€™s internal control over financial reporting that occurred during the Registrantâ€™s most recent fiscal quarter (the Registrantâ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrantâ€™s internal control over financial reporting; and Â 5. The Registrantâ€™s other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrantâ€™s auditors and the audit committee of the Registrantâ€™s board of directors (or persons performing the equivalent functions): Â (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrantâ€™s ability to record, process, summarize and report financial information; and Â (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrantâ€™s internal control over financial reporting. Â Date: February 14, 2025 By: /s/ Paul E. McGarry Â Â Paul E. McGarry Â Â Interim Chief Financial Officer (Principal Accounting Officer) Â Â Â EX-32.1 7 ex32-1.htm Â EXHIBIT 32.1 Â CERTIFICATE PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANESâ€“OXLEY ACT OF 2002 Â In connection with the Quarterly Report (the â€œReportâ€) on Form 10â€“Q of American Battery Technology Company. (the â€œCompanyâ€) for the period ended December 31, 2024, as filed with the Securities and Exchange Commission on the date hereof, I, Ryan Melsert, Chief Executive Officer, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanesâ€“Oxley Act of 2002, that, to the best of my knowledge and belief: Â 1. The Report fully complies with the requirements of Section 13 (a) or 15 (d) of the Securities Exchange Act of 1934, as amended; and Â Â 2. The information contained in this Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: February 14, 2025 By: /s/ Ryan Melsert Â Ryan Melsert Â Â Chief Executive Officer (Principal Executive Officer) Â Â Â EX-32.2 8 ex32-2.htm Â EXHIBIT 32.2 Â CERTIFICATE PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANESâ€“OXLEY ACT OF 2002 Â In connection with the Quarterly Report (the â€œReportâ€) on Form 10â€“Q of American Battery Technology Company. (the â€œCompanyâ€) for the period ended December 31, 2024, as filed with the Securities and Exchange Commission on the date hereof, I, Paul E. McGarry, Interim Chief Financial Officer, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanesâ€“Oxley Act of 2002, that, to the best of my knowledge and belief: Â 1. The Report fully complies with the requirements of Section 13 (a) or 15 (d) of the Securities Exchange Act of 1934, as amended; and Â Â 2. The information contained in this Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Â Date: February 14, 2025 By: /s/ Paul E. McGarry Â Â Paul E. McGarry Â Â Interim Chief Financial Officer (Principal Accounting Officer) Â Â Â GRAPHIC 9 form10-q_001.jpg begin 644 form10-q_001.jpg

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Disclosure - Inventories (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999032 - Disclosure - Derivative Liabilities (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999033 - Disclosure - Property, Plant and Equipment (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999034 - Disclosure - Intangible Assets (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999035 - Disclosure - Accounts Payable and Accrued Liabilities (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999036 - Disclosure - Notes Payable (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999037 - Disclosure - Leases (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999038 - Disclosure - Stockholders' Equity (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999039 - Disclosure - Share Purchase Warrants (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999040 - Disclosure - Equity Compensation Awards (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999041 - Disclosure - Supplemental Statement of Cash Flow Disclosures (Tables)link:presentationLinklink:calculationLinklink:definitionLink 999042 - Disclosure - Liquidity and Going Concern (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999043 - Disclosure - Schedule of Consolidated Financial Statements (Details)link:presentationLinklink:calculationLinklink:definitionLink 999044 - Disclosure - Condensed Consolidated Statement of Operations (Details)link:presentationLinklink:calculationLinklink:definitionLink 999045 - Disclosure - Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999046 - Disclosure - Schedule of Inventories (Details)link:presentationLinklink:calculationLinklink:definitionLink 999047 - Disclosure - Government Grants and Tax Credit Awards (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999048 - Disclosure - Schedule of Black-Scholes Inputs and Assumptions for valuation and Re-valuation of its Derivative Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 999049 - Disclosure - Schedule of Derivative Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 999050 - Disclosure - Derivative Liabilities (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999051 - Disclosure - Schedule of Property and Equipment (Details)link:presentationLinklink:calculationLinklink:definitionLink 999052 - Disclosure - Property, Plant and Equipment (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999053 - Disclosure - Mining Properties (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999054 - Disclosure - Schedule of Intangible Assets (Details)link:presentationLinklink:calculationLinklink:definitionLink 999055 - Disclosure - Intangible Assets (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999056 - Disclosure - Schedule of Accounts Payable and Accrued Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 999057 - Disclosure - Accounts Payable and Accrued Liabilities (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999058 - Disclosure - Schedule of Net Carrying Amounts of the Notes (Details)link:presentationLinklink:calculationLinklink:definitionLink 999059 - Disclosure - Schedule of Maturities of Notes Payable (Details)link:presentationLinklink:calculationLinklink:definitionLink 999060 - Disclosure - Notes Payable (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999061 - Disclosure - Schedule of Operating Lease ROU Assets and Lease Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 999062 - Disclosure - Schedule of Maturity of Operating Lease Liabilities (Details)link:presentationLinklink:calculationLinklink:definitionLink 999063 - Disclosure - Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount Rate (Details)link:presentationLinklink:calculationLinklink:definitionLink 999064 - Disclosure - Leases (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999065 - Disclosure - Schedule of Potentially Dilutive Shares Outstanding (Details)link:presentationLinklink:calculationLinklink:definitionLink 999066 - Disclosure - Stockholders' Equity (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999067 - Disclosure - Schedule of Share Purchase Warrants Activity (Details)link:presentationLinklink:calculationLinklink:definitionLink 999068 - Disclosure - Share Purchase Warrants (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999069 - Disclosure - Schedule of Restricted Shares and Restricted Share Units Non-vested (Details)link:presentationLinklink:calculationLinklink:definitionLink 999070 - Disclosure - Schedule of Stock-Based Compensation Expense (Details)link:presentationLinklink:calculationLinklink:definitionLink 999071 - Disclosure - Equity Compensation Awards (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink 999072 - Disclosure - Schedule of Statement of Cash Flow Disclosures (Details)link:presentationLinklink:calculationLinklink:definitionLink 999073 - Disclosure - Commitments and Contingencies (Details Narrative)link:presentationLinklink:calculationLinklink:definitionLink EX-101.CAL 20 abat-20241231_cal.xml XBRL CALCULATION FILE EX-101.DEF 21 abat-20241231_def.xml XBRL DEFINITION FILE EX-101.LAB 22 abat-20241231_lab.xml XBRL LABEL FILE Class of Stock [Axis] Series A Preferred Stock [Member] Series B Preferred Stock [Member] Series C Preferred Stock [Member] Series D Preferred Stock [Member] Equity Components [Axis] Preferred Stock [Member] Common Stock [Member] Additional Paid-in Capital [Member] Common Stock Issuable [Member] Retained Earnings [Member] Revision of Prior Period [Axis] Revision of Prior Period, Error Correction, Adjustment [Member] Previously Reported [Member] Revision of Prior Period, Reclassification, Adjustment [Member] Statement of Income Location, Balance [Axis] Research and Development Expense [Member] Award Type [Axis] AMMTO Grant [Member] Statistical Measurement [Axis] Maximum [Member] Award Date [Axis] October 1, 2021 [Member] USABC Grant [Member] September 1, 2023 [Member] October 1, 2023 [Member] Subcontractor Argonne National Laboratory [Member] Collaborative Arrangement and Arrangement Other than Collaborative [Axis] Private Placement Subscription Agreement [Member] Related and Nonrelated Parties [Axis] Related Party [Member] Warrant [Member] Minimum [Member] Measurement Input Type [Axis] Measurement Input, Expected Term [Member] Measurement Input, Risk Free Interest Rate [Member] Measurement Input, Expected Dividend Rate [Member] Measurement Input, Price Volatility [Member] Financial Instrument [Axis] Warrant Derivative Liabilities [Member] Conversion Option Derivative Liability [Member] Long-Lived Tangible Asset [Axis] Land [Member] Building [Member] Equipment and Vehicles [Member] Land and Building [Member] Water Rights [Member] Finite-Lived Intangible Assets by Major Class [Axis] Purchase Agreement [Member] Debt Instrument [Axis] 2024 Notes [Member] First Principal [Member] Remaining Principal [Member] Series ABC And D Preferred Stock [Member] Title and Position [Axis] Professional Service Providers [Member] Ryan Melsert [Member] Family Members [Member] Series A Warrants [Member] Series B Warrants [Member] Employees [Member] 2024 Employee Stock Purchase Plan [Member] Securities Purchase Agreement [Member] Two Institutional Investors [Member] Antidilutive Securities [Axis] Convertible Notes [Member] Warrants [Member] Share Awards Outstanding [Member] 2021 Equity Retention Plan [Member] Officer [Member] Cost of Sales [Member] General and Administrative Expense [Member] Exploration [Member] Cover [Abstract] Document Type Amendment Flag Amendment Description Document Registration Statement Document Annual Report Document Quarterly Report Document Transition Report Document Shell Company Report Document Shell Company Event Date Document Period Start Date Document Period End Date Document Fiscal Period Focus Document Fiscal Year Focus Current Fiscal Year End Date Entity File Number Entity Registrant Name Entity Central Index Key Entity Primary SIC Number Entity Tax Identification Number Entity Incorporation, State or Country Code Entity Address, Address Line One Entity Address, Address Line Two Entity Address, Address Line Three Entity Address, City or Town Entity Address, State or Province Entity Address, Country Entity Address, Postal Zip Code Country Region City Area Code Local Phone Number Extension Written Communications Soliciting Material Pre-commencement Tender Offer Pre-commencement Issuer Tender Offer Title of 12(b) Security No Trading Symbol Flag Trading Symbol Security Exchange Name Title of 12(g) Security Security Reporting Obligation Annual Information Form Audited Annual Financial Statements Entity Well-known Seasoned Issuer Entity Voluntary Filers Entity Current Reporting Status Entity Interactive Data Current Entity Filer Category Entity Small Business Entity Emerging Growth Company Elected Not To Use the Extended Transition Period Document Accounting Standard Other Reporting Standard Item Number Entity Shell Company Entity Public Float Entity Bankruptcy Proceedings, Reporting Current Entity Common Stock, Shares Outstanding Documents Incorporated by Reference [Text Block] Statement [Table] Statement [Line Items] ASSETS Cash Accounts receivable Inventory (Note 4) Grants receivable (Note 5) Prepaid expenses and deposits Subscription receivable (Note 13) Restricted cash Assets held-for-sale (Note 7) Total current assets Property, plant and equipment, net (Note 7) Mining properties (Note 8) Intangible assets (Note 9) Right-of-use asset (Note 12) Total assets LIABILITIES & STOCKHOLDERS' EQUITY Accounts payable and accrued liabilities (Note 10) Right-of-use lease liability - operating Notes payable, current (Note 11) Total current liabilities Right-of-use lease liability - operating - long-term Equity compensation liability (Note 15) Total liabilities Commitments and contingencies (Note 17) Stockholders' Equity: Preferred stock value Common Stock Authorized: 250,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 84,392,375 and 64,061,763 common shares as of December 31, 2024, and June 30, 2024, respectively Additional paid-in capital Common stock issuable Accumulated deficit Total stockholders' equity Total liabilities and stockholders' equity Preferred stock, shares authorized Preferred stock, par value Preferred stock, shares issued Preferred stock, shares outstanding Common stock, shares authorized Common stock, par value Common stock, shares issued Common stock, shares outstanding Income Statement [Abstract] Revenue Cost of goods sold Gross loss Expenses: General and administrative Research and development Exploration costs Total operating expenses Net loss before other income (expense) Other income (expense) Interest income (expense) Amortization and accretion of financing costs Unrealized gain (loss) on investment Change in fair value of derivative liability Loss on debt extinguishment Loss on private placement Change in fair value of liability-classified financial instruments Other income Total other income (expense) Net loss Net loss per share, basic Net loss per share, diluted Weighted average shares outstanding, basic Weighted average shares outstanding, diluted Balance Balance, shares Shares issued upon vesting of share-based awards Shares issued upon vesting of share-based awards, shares Stock-based compensation expense Shares issued pursuant to share purchase agreement, net of issuance costs Shares issued pursuant to share purchase agreement, net of issuance costs, shares Settlement of receivable pursuant to share purchase agreement Settlement of receivable pursuant to share purchase agreement, shares Reclassification of equity-linked contracts to liabilities Repurchase of Series D Redeemable Preferred shares Issuance of common shares under the Employee Stock Purchase Plan, shares Issuance of common shares and warrants pursuant to subscription agreements Issuance of common shares and warrants pursuant to subscription agreements, shares Shares issued pursuant to debt extinguishment Shares issued pursuant to debt extinguishment, shares Shares issued pursuant to share purchase agreement, net of issuance costs Net loss for the period Issuance of common shares under the Employee Stock Purchase Plan Issuance of common shares under the Employee Stock Purchase Plan, shares Reclassification of equity-classified awards from equity compensation liability Reclassification of derivative equity instruments from long-term liabilities Rescission of common shares and warrants pursuant to subscription agreements Rescission of Number common shares and warrants pursuant to subscription agreements, shares Shares issued pursuant to troubled debt restructuring Shares issued pursuant to troubled debt restructuring, shares Issuance of common shares and warrants pursuant to registered direct offerings Issuance of number of shares pursuant to registered direct offerings, shares Shares issued for professional services Shares issued for professional services, shares Shares issued pursuant to rounding of reverse stock split Shares issued pursuant to rounding

of reverse stock split, shares Shares reclaimed pursuant to asset acquisition Shares reclaimed pursuant to asset acquisition, shares Shares issued pursuant to share purchase agreement, net of issuance costs, shares Shares issued pursuant to warrant exercises Shares issued pursuant to warrant exercises, shares Balance Balance, shares Statement of Cash Flows [Abstract] Cash Flows From Operating Activities: Net loss Adjustments to reconcile net loss to net cash used in operating activities: Depreciation expense Accretion of financing costs Amortization of right-of-use asset Write-down of inventory to net realizable value Unrealized loss on investment Stock-based compensation Shares issued for professional services Change in fair value of derivative liability Change in fair value of conversion option Change in fair value of liability-classified equity-linked contracts Loss on extinguishment of debt Loss on private placement Changes in operating assets and liabilities: Accounts receivable Inventory Grants receivable Prepaid expenses and deposits Other current assets Accounts payable and accrued liabilities Right-of-use lease liabilities Net Cash Used in Operating Activities Cash Flows From Investing Activities: Other acquisition deposits Acquisition of property, plant and equipment, and water rights Purchase of water rights/intangible assets Net Cash Used in Investing Activities Cash Flows From Financing Activities: Proceeds from exercise of share purchase warrants Proceeds from employee stock purchase plan Proceeds from issuance of common shares through At-The-Market offering Proceeds from subscription agreements (Note 13) Proceeds from registered direct offerings Payment of issuance costs, registered direct offerings Proceeds from notes payable, net of issuance costs Principal paid on notes payable Proceeds from share purchase agreement, net of issuance costs Net Cash Provided by Financing Activities Increase in Cash and Restricted Cash Cash and Restricted Cash – Beginning of Period Cash and Restricted Cash – End of Period Supplemental disclosures (Note 16) Pay vs Performance Disclosure [Table] Executive Category [Axis] Individual [Axis] Adjustment to Compensation [Axis] Measure [Axis] Pay vs Performance Disclosure, Table Company Selected Measure Name Named Executive Officers, Footnote Peer Group Issuers, Footnote Changed Peer Group, Footnote PEO Total Compensation Amount PEO Actually Paid Compensation Amount Adjustment To PEO Compensation, Footnote Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Compensation Actually Paid Amount Adjustment to Non-PEO NEO Compensation Footnote Equity Valuation Assumption Difference, Footnote Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Company Selected Measure Total Shareholder Return Vs Peer Group Compensation Actually Paid vs. Other Measure Tabular List, Table Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Net Income (Loss) Company Selected Measure Amount Other Performance Measure, Amount Adjustment to Compensation, Amount PEO Name Name Non-GAAP Measure Description Additional 402(v) Disclosure Pension Benefits Adjustments, Footnote Erroneously Awarded Compensation Recovery [Table] Restatement Determination Date [Axis] Restatement Determination Date Aggregate Erroneous Compensation Amount Erroneous Compensation Analysis Stock Price or TSR Estimation Method Outstanding Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Not Yet Determined Name Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery, Explanation of Impracticability Name Compensation Amount Restatement does not require Recovery Awards Close in Time to MNPI Disclosures [Table] Award Timing MNPI Disclosure Award Timing Method Award Timing Predetermined Award Timing MNPI Considered Award Timing, How MNPI Considered MNPI Disclosure Timed for Compensation Value Awards Close in Time to MNPI Disclosures, Table Name Underlying Securities Exercise Price Fair Value as of Grant Date Underlying Security Market Price Change Insider Trading Arrangements [Line Items] Material Terms of Trading Arrangement Name Title Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted Adoption Date Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated Termination Date Expiration Date Arrangement Duration Insider Trading Policies and Procedures [Line Items] Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Not Adopted Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization and Nature of Operations Liquidity and Going Concern Accounting Policies [Abstract] Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements Inventory Disclosure [Abstract] Inventories Government Grants And Tax Credit Awards Government Grants and Tax Credit Awards Derivative Liabilities Derivative Liabilities Property, Plant and Equipment [Abstract] Property, Plant and Equipment Mining Properties Mining Properties Goodwill and Intangible Assets Disclosure [Abstract] Intangible Assets Payables and Accruals [Abstract] Accounts Payable and Accrued Liabilities Debt Disclosure [Abstract] Notes Payable Leases Leases Equity [Abstract] Stockholders’ Equity Share Purchase Warrants Share Purchase Warrants Share-Based Payment Arrangement [Abstract] Equity Compensation Awards Supplemental Cash Flow Elements [Abstract] Supplemental Statement of Cash Flow Disclosures Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Use of Estimates Cash and Cash Equivalents Fair Value of Financial Instruments Adoption of Recent Accounting Pronouncements Schedule of Consolidated Financial Statements Schedule of Inventories Schedule of Black-Scholes Inputs and Assumptions for valuation and Re-valuation of its Derivative Liabilities Schedule of Derivative Liabilities Schedule of Property and Equipment Schedule of Intangible Assets Schedule of Accounts Payable and Accrued Liabilities Schedule of Net Carrying Amounts of the Notes Schedule of Maturities of Notes Payable Schedule of Operating Lease ROU Assets and Lease Liabilities Schedule of Maturity of Operating Lease Liabilities Schedule of Weighted Average Remaining Lease Term for Operating Leases and Weighted Average Discount Rate Schedule of Potentially Dilutive Shares Outstanding Schedule of Share Purchase Warrants Activity Schedule of Restricted Shares and Restricted Share Units Non-vested Schedule of Stock-Based Compensation Expense Schedule of Statement of Cash Flow Disclosures Net loss Net cash used in operating activities Cash balance Restricted cash current Accumulated deficit Operating expenses Exploration Total operating expenses Net loss before other income (expense) Amortization and accretion of financing costs Change in fair value of derivative liability Total other income (expense) Net loss attributable to stockholders APIC, Share-Based Payment Arrangement, ESPP, Increase for Cost Recognition Operating Activities Amortization and accretion expense Shares issued for professional services Change in fair value of derivative liability Accounts payable and accrued liabilities Increase in compensation cost Increase in accounts payable and accrued liabilities Equity compensation liability Increase in additional paid-in capital Interest and other expenses Raw materials Finished goods Total Government grants Project budget Reimbursement percentage Reimbursement of eligible expenditure Government grant cumulative funds invoiced Percentage of net eligible reimbursements Tac credit Additional tax credit Investments Fair Value Measurement Inputs and Valuation Techniques [Table] Fair Value Measurement Inputs and Valuation Techniques [Line Items] Derivative Liability Debt Securities, Held-to-Maturity, Allowance for Credit Loss [Table] Debt Securities, Held-to-Maturity, Allowance for Credit Loss [Line Items] Balance, September 30, 2024 Change in fair value Fair value of extinguishments during the period Fair value of reclassifications to accounts payable during the period Fair value of reclassifications to equity during the period Balance, December 31, 2024 Proceeds from Issuance of Private Placement Stock and Warrants Issued During Period, Value, Preferred Stock and Warrants Share-Based Payment Arrangement, Noncash Expense Fair value of liability Fair value of warrants Loss in private placement Gain on warrant liability Warrant liability Accounts payable and accrued liabilities Fair value of the bifurcated conversion feature Fair value of convertible notes Common Stock, Shares Authorized Gain on change in fair value of the derivative liabilities Long-Term Debt Property, Plant and Equipment [Table] Property, Plant and Equipment [Line Items] Total property, plant and equipment Less: accumulated depreciation Property, plant and equipment, net Depreciation expense Long-Lived Asset, Held-for-Sale, Fair Value Disclosure Impairment of Long-Lived Assets to be Disposed of Land Capitalized minig assets Intangible Asset, Finite-Lived [Table] Finite-Lived Intangible Assets [Line Items] Water rights Area of land Payments to acquire intangible assets Trade payables Accrued fixed assets Accrued expenses Market agreement settlement Total accounts payable and accrued liabilities Accounts Payable, Current Accrued Liabilities, Current Principal outstanding Debt discount Amortization of debt discount Net carrying value December 31, 2024 Less: unamortized debt discount and issuance costs Notes payable, current Notes payable, non-current Schedule of Long-Term Debt Instruments [Table] Debt Instrument [Line Items] Proceeds from secured notes payable Derivative Liability, Fair Value of Collateral Derivative, Gain (Loss) on Derivative, Net Principal amount Number of shares issued Number of shares issued, value Loss on extinguishment of debt Amortization of the debt discount Fair value of common share Debt Instrument, Unamortized Discount Debt Instrument, Annual Principal Payment Proceeds from (Repayments of) Debt Debt Instrument, Maturity Date Debt Instrument, Periodic Payment Conversion of Stock, Shares Converted Conversion of Stock, Amount Issued Debt conversion, shares Debt conversion, value Interest rate Schedule Of Operating Lease Rou Assets And Lease Liabilities Operating lease right-of-use asset Operating lease liabilities Schedule Of Maturity Of Operating Lease Liabilities December 31, 2025 December 31, 2026 December 31, 2027 Total lease payments Less: discount Total operating lease liabilities Operating lease liabilities, current Operating lease liabilities, non-current Weighted average lease term (years) Weighted average discount rate Percentage of discount rate Operating lease costs Current lease liabilities Antidilutive Security, Excluded EPS Calculation [Table] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Total potentially dilutive Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Line Items] Sale of stock, shares Sale of stock, value Sale of stock, per share price Preferred stock voting rights Common stock par value Class of warrant or right, outstanding Exercise price Advances, fair value disclosure Volatility rate Risk-free rate Sale of warrants, shares Sale of Stock, consideration received Shares issued Shares issued value Fair value of warrants Share based compensation Adjustments of additional paid in capital Equity compensation liability Share based compensation expense Employee stock purchase plan, shares Employee stock purchase plan, value Offering price Warrants exercise price Initial exercise date description Total proceeds Net offering costs Schedule Of Share Purchase Warrants Activity Number of warrants, Beginning Balance Weighted average exercise price, Beginning Balance Number of warrants, Granted Weighted average exercise price, Granted Number of warrants, Exercised Weighted average exercise price, Exercised Weighted average exercise price, Expired Number of warrants, Rescinded Weighted average exercise price, Rescinded Number of warrants, Expired Number of warrants, Ending Balance Weighted average exercise price, Ending Balance Weighted average remaining contractual term, Ending balance Aggregate intrincic value outstanding, Ending balance Number of warrants, Exercisable Weighted average exercise price, Exercisable Weighted average remaining contractual term, Exercisable Aggregate intrincic value exercisable Warrant exercised Warrants to the private placement Warrants with securities purchase agreement Cancellation of warrants Warrants under compensation Units, Unvested share awards, Beginning Units, Granted Units, Vested Units, Forfeitures Weighted average grant date fair value, Unvested share awards, Beginning Weighted average grant date fair value, Granted Weighted average grant date fair value, Vested Weighted average grant date fair value, Forfeitures Units, Unvested share awards, Ending Weighted average grant date fair value, Unvested share awards, Ending Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Total stock-based compensation Schedule of Share-Based Compensation Arrangements by Share-Based Payment Award [Table] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Award vest rate Outstanding percentage Number of restricted shares issued, shares Vested value Sharebased compensation expense Equity compensation Unamortized expenses related to compensation Weighted-average period Supplemental disclosures: Interest paid Non-cash investing and financing activities: Purchases of property and equipment accrued in current liabilities Deposits capitalized as investing activities Right-of-use asset obtained in exchange for lease liability Debt payment satisfied with common shares Payable recognized upon rescission of subscription agreement Financial assurance reclamation or restoration cost Prepaid expenses and deposits. Subscription receivable current. Mining properties non current. Equity compensation liability. Common stock issuable. Cost of goods sold. Amortization and accretion of financing costs. Change in fair value of derivative liability. Gains losses on private placement. Change in fair value of liability classified equity linked contracts. Common Stock Issuable [Member] Stock issued during period value shares issued pursuant to share purchase agreement. Stock issued during period shares pursuant to share purchase agreement. Stock issued during period value settlement of receivable pursuant to share purchase agreement. Stock issued during period shares settlement of receivable pursuant to share purchase agreement. Stock issued during period value pursuant to subscription agreements. Stock issued during period shares pursuant to subscription agreements. Stock issued during period value pursuant to debt extinguishment. Stock issued during period shares pursuant to debt extinguishment. Shares issued for services professional services. Change in fair value of conversion option. Change in fair value of liability classified equity linked contracts excluding conversion option. Proceeds from subscription agreements. Proceeds from registered direct offerings Stock issued during period value pursuant to registered direct offering. Stock issued during period shares pursuant to registered direct offering. Adjustments to additional paid in capital reclassification of derivative equity instruments from long term liabilities. Stock issued during the period value issued pursuant to troubled debt restructuring. Stock issued during the period shares issued pursuant to troubled debt restructuring. Rescission of common shares and warrants pursuant to subscription agreements. Rescission of number of

~~common shares and warrants pursuant to subscription agreements. Stock issued during period value reverse stock splits. Shares issued for exercise of warrants. Stock issued during period shares exercise of warrants. Interest and other expenses. Shares issued for professional services. Government Grants Awards [Text Block] Project budget. AMMTO Grant [Member] Reimbursement grants eligible percentage. Reimbursement of eligible expenditure. Government grant cumulative funds invoiced. October 1, 2021 [Member] Percentage of net eligible reimbursements. USABC Grant [Member] September 1, 2023 [Member] October 1, 2023 [Member] Derivative Liabilities [Text Block] Private Placement Subscription Agreement [Member] Fair value of liability. Fair value of convertible notes. Fair value of liabilities. Warrant Derivative Liabilities [Member] Conversion Option Derivative Liability [Member] Fair value of reclassifications of derivative liabilities. Change in fair value of derivative liabilities. Fair value of extinguishments. Water Rights [Member] Mining Properties [Disclosure Text Block] Accrued fixed assets. Accrued expenses. Marketing agreement settlement. Credit Agreement [Member] Description of notes payable interest rate Purchase Agreement [Member] Senior Secured Convertible Notes [Member] Amortization of debt discount from derivative liability. Debt discount. Operating lease liabilites current. Schedule of Operating Lease ROU Assets And Lease Liabilities [Table Text Block] Schedule of Weighted Average Remaining Lease Term [Table Text Block] Professional Service Providers [Member] Virtu Americas LLC [Member] Tysadco Agreement [Member] Family Members [Member] Series A Warrants [Member] Series B Warrants [Member] Employees [Member] 2024 Notes [Member] Ryan Melsert [Member] 2024 Employee Stock Purchase Plan [Member] Securities Purchase Agreement [Member] Two Institutional Investors [Member] Initial exercise date description. Right of use liability, current. Employees and Directors [Member] Share Purchase Agreement [Member] Professional Service [Member] Officer and Director [Member] Share Purchase Warrants [Text Block] Stock issued during period shares warrant exercised. Share based compensation arrangement by share based payment award non option equity instruments exercisable number. Weighted average exercise price outstanding. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price granted. Weighted average exercise price, exercised. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price expired. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price exercisable. Share based compensation arrangement by share based payment award non option equity instruments weighted average exercise price rescinded. Warrants and rights exercisable term. Sharebased compensation arrangement by sharebased payment award equity instruments other than options aggregate intrinsic value exercisable. First Principal [Member] Remaining Principal [Member] Number of shares of common stock outstanding percentage. Two Thousand Twenty One Equity Retention Plan [Member] Investing activities in accounts payable and accrued liabilities. Debt payment satisfied with common shares. Right-of-use asset obtained in exchange for lease liability. Payable recognized upon rescission of subscription agreement. Financial assurance reclamation or restoration cost. Equipment and Vehicles [Member] Convertible Notes [Member] Warrants [Member] Share Awards Outstanding [Member] Exploration [Member] Aggregate partial redemptions of convertible notes. Series ABC And D Preferred Stock [Member] Subcontractor Argonne National Laboratory [Member] Gain on change in fair value of the derivative liabilities. Fair value of reclassifications to accounts payable during the period. Amount involved in transaction. Assets, Current Assets Liabilities, Current Liabilities Equity, Attributable to Parent Liabilities and Equity Gross Profit Interest Expense, Nonoperating AmortizationAndAccretionOfFinancingCosts Shares, Outstanding Stock Issued During Period, Value, Purchase of Assets Stock Issued During Period, Value, Issued for Services Stock Issued During Period, Shares, Purchase of Assets ChangeInFairValueOfConversionOption ChangeInFairValueOfLiabilityclassifiedEquitylinkedContractsExcludingConversionOption Increase (Decrease) in Accounts Receivable Increase (Decrease) in Inventories Increase (Decrease) in Other Receivables Increase (Decrease) in Prepaid Expense and Other Assets Increase (Decrease) in Other Current Assets Net Cash Provided by (Used in) Operating Activities Payments to Acquire Other Productive Assets Payments to Acquire Other Property, Plant, and Equipment Payments to Acquire Mineral Rights Net Cash Provided by (Used in) Investing Activities Payments of Debt Issuance Costs Net Cash Provided by (Used in) Financing Activities Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Including Disposal Group and Discontinued Operations Forgone Recovery, Individual Name Outstanding Recovery, Individual Name Awards Close in Time to MNPI Disclosures, Individual Name Trading Arrangement, Individual Name Derivative Liabilities [Text Block] Mining Properties [Disclosure Text Block] Lessee, Operating Leases [Text Block] Share Purchase Warrants [Text Block] Amortization of Debt Issuance Costs Increase (Decrease) in Derivative Liabilities SharesIssuedForProfessionalServices Increase (Decrease) in Other Accounts Payable and Accrued Liabilities Derivative Liability, Noncurrent Accounts Payable and Accrued Liabilities [Default Label] Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Depreciation, Depletion and Amortization AmortizationOfDebtDiscountFromDerivativeLiability Notes Payable [Default Label] Debt Instrument, Unamortized Discount (Premium) and Debt Issuance Costs, Net Lessee, Operating Lease, Liability, to be Paid Lessee, Operating Lease, Liability, Undiscounted Excess Amount Equity, Fair Value Disclosure Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Outstanding, Number Weighted average exercise price outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Expirations Warrants and Rights Outstanding, Term Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Aggregate Intrinsic Value, Outstanding~~

~~ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsExercisableNumber~~
~~ShareBasedCompensationArrangementByShareBasedPaymentAwardNonOptionEquityInstrumentsWeightedAverageExercisePriceExercisable~~
~~SharebasedCompensationArrangementBySharebasedPaymentAwardEquityInstrumentsOtherThanOptionsAggregateIntrinsicValueExercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Forfeited in Period Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value EX-101.PRE 23 abat-20241231_pre.xml XBRL PRESENTATION FILE XML 25 R1.htm IDEA: XBRL DOCUMENT~~

~~Cover - shares~~ ~~6 Months Ended~~
~~Dec. 31, 2024~~
~~Feb. 10, 2025~~

~~Cover [Abstract] Document Type 10-Q Amendment Flag false Document Quarterly Report true Document Transition Report false Document Period End Date Dec. 31, 2024 Document Fiscal Period Focus Q2 Document Fiscal Year Focus 2025 Current Fiscal Year End Date --06-30 Entity File Number 000-41811 Entity Registrant Name AMERICAN BATTERY TECHNOLOGY COMPANY Entity Central Index Key 0001576873 Entity Tax Identification Number 33-1227980 Entity Incorporation, State or Country Code NV Entity Address, Address Line One 100 Washington Street Entity Address, Address Line Two Suite 100 Entity Address, City or Town Reno Entity Address, State or Province NV Entity Address, Postal Zip Code 89503 City Area Code (775) Local Phone Number 473-4744 Title of 12(b) Security Common stock, $0.001 par value Trading Symbol ABAT Security Exchange Name NASDAQ Entity Current Reporting Status Yes Entity Interactive Data Current Yes Entity Filer Category Non-accelerated Filer Entity Small Business true Entity Emerging Growth Company false Entity Shell Company false Entity Common Stock, Shares Outstanding 84,658,010~~

~~- Definition~~

~~Boolean flag that is true when the XBRL content amends previously-filed or accepted submission.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name: dei_AmendmentFlag Namespace Prefix: dei_ Data Type: xbrli:booleanItemType Balance Type: na Period Type: duration~~

~~- Definition~~

~~Area code of city~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name: dei_CityAreaCode Namespace Prefix: dei_ Data Type: xbrli:normalizedStringItemType Balance Type: na Period Type: duration~~

~~- Definition~~

~~Cover page.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name: dei_CoverAbstract Namespace Prefix: dei_ Data Type: xbrli:stringItemType Balance Type: na Period Type: duration~~

~~- Definition~~

~~End date of current fiscal year in the format --MM-DD.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_CurrentFiscalYearEndDate~~ ~~Namespace Prefix:dei_ Data Type:xbrli:gMonthDayItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentFiscalPeriodFocus~~ ~~Namespace Prefix:dei_ Data Type:dei:fiscalPeriodItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentFiscalYearFocus~~ ~~Namespace Prefix:dei_ Data Type:xbrli:gYearItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentPeriodEndDate~~ ~~Namespace Prefix:dei_ Data Type:xbrli:dateItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Boolean flag that is true only for a form used as an quarterly report.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Boolean flag that is true only for a form used as a transition report.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The 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'.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_DocumentType~~ ~~Namespace Prefix:dei_ Data Type:dei:submissionTypeItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Address Line 1 such as Attn, Building Name, Street Name~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressAddressLine1~~ ~~Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Address Line 2 such as Street or Suite number~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressAddressLine2~~ ~~Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Name of the City or Town~~

~~Name of the City or Town~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressCityOrTown Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Code for the postal or zip code~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressPostalZipCode Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Name of the state or province.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityAddressStateOrProvince Namespace Prefix:dei_ Data Type:dei:stateOrProvinceItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Indicate number of shares or other units outstanding of each of registrant's classes of capital or common stock or other ownership interests, if and as stated on cover of related periodic report. Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityCommonStockSharesOutstanding Namespace Prefix:dei_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:instant~~

~~- Definition~~

~~Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. This information should be based on the registrant's current or most recent filing containing the related disclosure.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityCurrentReportingStatus Namespace Prefix:dei_ Data Type:dei:yesNoItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicate if registrant meets the emerging growth company criteria.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Commission file number. The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_EntityFileNumber Namespace Prefix:dei_ Data Type:dei:fileNumberItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Two-character EDGAR code representing the state or country of incorporation.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:dei_EntityIncorporationStateCountryCode Namespace Prefix:dei_ Data Type:dei:edgarStateCountryItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Indicates that the company is a Smaller Reporting Company (SRC).~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Local phone number for entity.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_LocalPhoneNumber Namespace Prefix:dei_ Data Type:xbrli:normalizedStringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Title of a 12(b) registered security.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Name of the Exchange on which a security is registered.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Trading symbol of an instrument as listed on an exchange.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:dei_TradingSymbol Namespace Prefix:dei_ Data Type:dei:tradingSymbolItemType Balance Type:na Period Type:duration XML 26 R2.htm IDEA: XBRL DOCUMENT~~
~~Condensed Consolidated Balance Sheets (Unaudited) - USD ($) Dec. 31, 2024Jun. 30, 2024ASSETS Cash$ 15,623,762$ 7,001,786Accounts receivable323,975 228,499Inventory (Note 4)574,103154,320Grants receivable (Note 5)27,119191,522Prepaid expenses and deposits527,2301,813,050Subscription receivable (Note 13)608,333Restricted cash5,000,000Assets held-for-sale (Note 7)8,408,5388,408,538Total current assets30,484,72718,406,048Property, plant and equipment, net (Note 7)44,534,68046,314,966Mining properties (Note 8)8,392,9778,392,977Intangible assets (Note 9)4,519,0384,519,038Right-of-use asset (Note 12)357,43142,103Total assets88,288,85377,675,132LIABILITIES & STOCKHOLDERS' EQUITY Accounts payable and accrued liabilities (Note 10)7,167,414 9,233,806Right-of-use lease liability - operating108,600117,131Notes payable, current (Note 11)10,165,3776,447,361Total current liabilities17,441,391 15,798,298Right-of-use lease liability - operating - long-term250,416Equity compensation liability (Note 15)409,194Total liabilities17,691,80716,207,492 Commitments and contingencies (Note 17) Stockholders' Equity: Common Stock Authorized: 250,000,000 common shares, par value of $0.001 per share; Issued and outstanding: 84,392,375 and 64,061,763 common shares as of December 31, 2024, and June 30, 2024, respectively84,39064,059Additional paid-in capital 310,351,869275,589,383Common stock issuable(1,415,806)(857,470)Accumulated deficit(238,423,407)(213,328,332)Total stockholders' equity70,597,046 61,467,640Total liabilities and stockholders' equity88,288,85377,675,132Series A Preferred Stock [Member] Stockholders' Equity: Preferred stock value Series B Preferred Stock [Member] Stockholders' Equity: Preferred stock value Series C Preferred Stock [Member] Stockholders' Equity: Preferred stock value Series D Preferred Stock [Member] Stockholders' Equity: Preferred stock value~~

~~- Definition~~

~~Common stock issuable.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_CommonStockIssuable Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Equity compensation liability.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_EquityCompensationLiability Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Mining properties non current.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_MiningPropertiesNonCurrent Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Prepaid expenses and deposits.~~

~~+ References~~

~~No definition available.~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_PrepaidExpensesAndDeposits Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Subscription receivable current.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_SubscriptionReceivableCurrent Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Sum of the carrying values as of the balance sheet date of obligations incurred through that date and due within one year (or the operating cycle, if longer), including liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received, taxes, interest, rent and utilities, accrued salaries and bonuses, payroll taxes and fringe benefits.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_AccountsPayableAndAccruedLiabilitiesCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type: instant~~

~~- Definition~~

~~Amount, after allowance for credit loss, of right to consideration from customer for product sold and service rendered in normal course of business, classified as current.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but is not limited to, additional paid-in capital (APIC) for common and preferred stock.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 852 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 10 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481372/852-10-55-10Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(18)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(30)(a)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_AdditionalPaidInCapital Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Amount of asset recognized for present right to economic benefit.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_AssetsAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of asset recognized for present right to economic benefit, classified as current.~~

~~+ References~~

~~Reference 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***~~

~~***- Definition***~~

~~***Amount of assets held-for-sale that are not part of a disposal group, expected to be sold within a year or the normal operating cycle, if longer.***~~

~~***+ References***~~

~~***Reference 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://fasb.org/us-gaap/role/ref/legacyRef -Topic 360 -SubTopic 10 -Name Accounting Standards Codification -Section 15 -Paragraph 4 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482309/360-10-15-4***~~

~~+ Details~~

~~Name:us-gaap_AssetsHeldForSaleNotPartOfDisposalGroupCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Excludes cash and cash equivalents within disposal group and discontinued operation.~~

~~+ References~~

~~Reference 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 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 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)(2)) -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(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section 45 -Paragraph 21 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477796/946-210-45-21Reference 6: 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 7: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 45 -Paragraph 20 -SubTopic 210 -Topic 946 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477796/946-210-45-20~~

~~+ Details~~

~~Name:us-gaap_Cash Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Represents 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.***~~

~~***+ References***~~

~~***Reference 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***~~

~~***- Definition***~~

~~***Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity.***~~

~~***+ References***~~

~~***Reference 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***~~

~~***- Definition***~~

~~***Carrying amount as of the balance sheet date of amounts due under the terms of governmental, corporate, or foundation grants. For classified balance sheets, represents the current amount receivable, that is amounts expected to be collected within one year or the normal operating cycle, if longer.***~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(3)(a)(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_GrantsReceivableCurrent Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-2Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 45 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482686/350-30-45-1~~

~~+ Details~~

~~Name:us-gaap_IntangibleAssetsNetExcludingGoodwill Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:instant~~

~~- Definition~~

~~Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others.~~

~~***+ References***~~

~~***Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(22)) -SubTopic 10 -Topic 210 -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(24)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 5: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(25)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 6: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(26)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 7: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(23)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(21)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 25 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481231/810-10-45-25Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 810 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (bb) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481203/810-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 15: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 12 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-12Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 210 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-04(14)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479170/946-210-S99-1Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A 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-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~~

~~- Definition~~

~~Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any.~~

~~+ References~~

~~Reference 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***~~

~~***- References***~~

~~***No definition available.***~~

~~***+ Details***~~

~~***Name:us-gaap_LiabilitiesAndStockholdersEquityAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration***~~

~~***- Definition***~~

~~***Total 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.***~~

~~***+ References***~~

~~***Reference 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: 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~~+ Details~~

~~Name:us-gaap_LiabilitiesCurrent~~ ~~Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Sum of the carrying values as of the balance sheet date of the portions of long-term notes payable due within one year or the operating cycle if longer.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(20)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(19)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_NotesPayableCurrent~~ ~~Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:instant~~

~~- Definition~~

~~Present value of lessee's discounted obligation for lease payments from operating lease, classified as current.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of lessee's right to use underlying asset under operating lease.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount 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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of accumulated undistributed earnings (deficit).~~

~~+ References~~

~~Reference 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~~

~~Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-04) -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~~

~~**- Definition**~~

~~Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest.~~

~~**+ References**~~

~~Reference 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:~~

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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_StockholdersEquityAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesBPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesCPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesDPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type: XML 27 R3.htm~~

~~IDEA: XBRL DOCUMENT~~

~~Condensed Consolidated Balance Sheets (Unaudited) (Parenthetical) - $ / shares Dec. 31, 2024Jun. 30, 2024Common stock, shares authorized250,000,000 250,000,000Common stock, par value$ 0.001$ 0.001Common stock, shares issued84,392,37564,061,763Common stock, shares outstanding84,392,37564,061,763 Series A Preferred Stock [Member] Preferred stock, shares authorized33,33433,334Preferred stock, par value$ 0.001$ 0.001Preferred stock, shares issued Preferred stock, shares outstanding Series B Preferred Stock [Member] Preferred stock, shares authorized133,334133,334Preferred stock, par value$ 10.00 $ 10.00Preferred stock, shares issued Preferred stock, shares outstanding Series C Preferred Stock [Member] Preferred stock, shares authorized66,66766,667 Preferred stock, par value$ 10.00$ 10.00Preferred stock, shares issued Preferred stock, shares outstanding Series D Preferred Stock [Member] Preferred stock, shares authorized 5Preferred stock, par value $ 0.001Preferred stock, shares issued5 Preferred stock, shares outstanding5~~

~~- Definition~~

~~Face amount or stated value per share of common stock.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The maximum number of common shares permitted to be issued by an entity's charter and bylaws.~~

~~+ References~~

~~Reference 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***~~

~~***- Definition***~~

~~***Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury.***~~

~~***+ References***~~

~~***Reference 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***~~

~~***- Definition***~~

~~***Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation.***~~

~~***+ References***~~

~~***Reference 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~~

~~- Definition~~

~~Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Number 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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Aggregate 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.~~

~~+ References~~

~~Reference 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~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesAPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesBPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesCPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type:~~

~~- Details~~

~~Name:us-gaap_StatementClassOfStockAxis=us-gaap_SeriesDPreferredStockMember Namespace Prefix: Data Type:na Balance Type: Period Type: XML 28 R4.htm~~
~~IDEA: XBRL DOCUMENT~~
~~Condensed Consolidated Statements of Operations (Unaudited) - USD ($)3 Months Ended6 Months Ended~~
~~Dec. 31, 2024~~
~~Dec. 31, 2023~~
~~Dec. 31, 2024~~
~~Dec. 31, 2023~~
~~Income Statement [Abstract]   Revenue$ 332,440$ 534,400Cost of goods sold3,305,7435,848,384Gross loss(2,973,303)(5,313,984)Expenses: General and administrative7,673,0224,416,71612,682,8637,470,713Research and development2,919,8653,569,1674,952,0007,183,018Exploration costs234,568823,425 655,0752,173,345Total operating expenses10,827,4558,809,30818,289,93816,827,076Net loss before other income (expense)(13,800,758)(8,809,308) (23,603,922)(16,827,076)Other income (expense)   Interest income (expense)597(7,647)(3,978)(142,636)Amortization and accretion of financing costs(732,197) (1,132,258)(1,904,546)(1,865,154)Unrealized gain (loss) on investment826(5,497)Change in fair value of derivative liability(229,472)705,184(229,473)Loss on debt extinguishment(675,648)Loss on private placement(567,161)Change in fair value of liability-classified financial instruments1,116,388875,100Other income 15,46479,896Total other income (expense)400,252(1,368,551)(1,491,153)(2,242,760)Net loss$ (13,400,506)$ (10,177,859)$ (25,095,075)$ (19,069,836)Net loss per share, basic$ (0.18)$ (0.21)$ (0.35)$ (0.40)Net loss per share, diluted$ (0.18)$ (0.21)$ (0.35)$ (0.40)Weighted average shares outstanding, basic75,315,210 47,760,80972,123,57647,357,879Weighted average shares outstanding, diluted75,315,21047,760,80972,123,57647,357,879~~

~~- Definition~~

~~Amortization and accretion of financing costs.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_AmortizationAndAccretionOfFinancingCosts Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Change in fair value of derivative liability.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_ChangeInFairValueOfDerivativeLiability Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Change in fair value of liability classified equity linked contracts.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_ChangeInFairValueOfLiabilityclassifiedEquitylinkedContracts Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Cost of goods sold.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_CostOfGoodsAndServiceSold Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Gains losses on private placement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_GainsLossesOnPrivatePlacement Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period.~~

~~+ References~~

~~Reference 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***~~

~~***- Definition***~~

~~***The 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.***~~

~~***+ References***~~

~~***Reference 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***~~

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~~+ Details~~

~~Name:us-gaap_EarningsPerShareDiluted Namespace Prefix:us-gaap_ Data Type:dtr-types:perShareItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Amount of capitalized exploration cost incurred during period and excluded from amortization for oil- and gas-producing activities accounted for under full cost method. Excludes acquisition and development costs and capitalized interest.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 360 -Name Accounting Standards Codification -Section S50 -Paragraph 1 -Publisher FASB -URI https://asc.fasb.org/1943274/2147477385/932-360-S50-1Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 932 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-10(c)(7)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479664/932-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_ExplorationCosts Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Difference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The aggregate total of expenses of managing and administering the affairs of an entity, including affiliates of the reporting entity, which are not directly or indirectly associated with the manufacture, sale or creation of a product or product line.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(4)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.6-07(2)(a)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-1~~

~~+ Details~~

~~Name:us-gaap_GeneralAndAdministrativeExpense Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Aggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 55 -Paragraph 48 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482785/280-10-55-48Reference 3: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 4: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 30 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-30Reference 5: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 270 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482964/270-10-50-1Reference 6: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (ee) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 7: http://fasb.org/us-gaap/role/ref/otherTransitionRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 32 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-32Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(2)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -~~

~~***2Reference 9: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2Reference 10: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(g)(1)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 323 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481687/323-10-50-3Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 825 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 28 -Subparagraph (f) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482907/825-10-50-28Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 14: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(ii)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1A -Subparagraph (SX 210.13-01(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1AReference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(i)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(A)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 20: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iii)(B)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 21: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(4)(iv)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 22: http://www.xbrl.org/2003/role/disclosureRef -Topic 470 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1B -Subparagraph (SX 210.13-02(a)(5)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480097/470-10-S99-1BReference 23: http://www.xbrl.org/2003/role/exampleRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 31 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-31***~~

~~***+ Details***~~
~~***Name:us-gaap_GrossProfit Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration***~~

~~***- References***~~

~~***No definition available.***~~

~~***+ Details***~~
~~***Name:us-gaap_IncomeStatementAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration***~~

~~***- Definition***~~

~~***Amount of interest expense classified as nonoperating.***~~

~~***+ References***~~

~~***Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 280 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 22 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482810/280-10-50-22Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2***~~

~~***+ Details***~~
~~***Name:us-gaap_InterestExpenseNonoperating Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration***~~

~~***- Definition***~~

~~***The portion of profit or loss for the period, net of income taxes, which is attributable to the parent.***~~

~~***+ References***~~

~~***Reference 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~~

~~- Definition~~

~~The aggregate amount of income or expense from ancillary business-related activities (that is to say, excluding major activities considered part of the normal operations of the business).~~

~~+ References~~

~~Reference 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*~~

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_NonoperatingIncomeExpenseAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense.*~~

~~*+ References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_OperatingExpenses Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration*~~

~~*- References*~~

~~*No definition available.*~~

~~*+ Details*~~
~~*Name:us-gaap_OperatingExpensesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~*The net result for the period of deducting operating expenses from operating revenues.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount of income related to nonoperating activities, classified as other.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 220 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 2 -Subparagraph (SX 210.5-03(7)(d)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147483621/220-10-S99-2*~~

~~*+ Details*~~

~~*Name:us-gaap_OtherNonoperatingIncome Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of expense for research and development. Includes, but is not limited to, cost for computer software product to be sold, leased, or otherwise marketed and writeoff of research and development assets acquired in transaction other than business combination or joint venture formation or both. Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise.*~~

~~*+ References*~~

~~*Reference 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*~~

~~***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***~~

~~***- Definition***~~

~~***Amount of unrealized gain (loss) on investment.***~~

~~***+ References***~~

~~***Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28***~~

~~***+ Details***~~

~~***Name:us-gaap_UnrealizedGainLossOnInvestments Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration***~~

~~***- Definition***~~

~~***The 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.***~~

~~***+ References***~~

~~***Reference 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***~~

~~***- Definition***~~

~~***Number 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.***~~

~~***+ References***~~

~~***Reference 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 29 R5.htm IDEA: XBRL DOCUMENT~~

~~Condensed Consolidated Statements of Stockholders' Equity (Unaudited) - USD ($) Preferred Stock [Member] Common Stock [Member] Additional Paid-in Capital [Member] Common Stock Issuable [Member] Retained Earnings [Member] Total~~

~~Balance at Jun. 30, 2023$ 45,887$ 223,134,798$ (1,484,693)$ (160,826,508)$ 60,869,484Balance, shares at Jun. 30, 2023 45,888,131 — Shares issued upon vesting of share-based awards$ 135(135) Shares issued upon vesting of share-based awards, shares 132,142 — Stock-based compensation expense 3,369,269 3,369,269Shares issued pursuant to share purchase agreement, net of issuance costs3063,009,6943,010,000Net loss for the period (8,891,978)(8,891,978)Shares issued for professional services$ 1$ 15,174$ (15,307)$ (132)Shares issued for professional services, shares 1,326 — Shares issued pursuant to rounding of reverse stock split59(59) Shares issued pursuant to rounding of reverse stock split, shares 59,164 — Shares reclaimed pursuant to asset acquisition$ (128) $ (1,255,650)$ 1,500,000$ 244,222Shares reclaimed pursuant to asset acquisition, shares (128,206) — Shares issued pursuant to share purchase agreement, net of issuance costs, shares 306,252 — Shares issued pursuant to warrant exercises$ 46(46)37,50037,500Shares issued pursuant to warrant exercises, shares 45,545 — Balance at Sep. 30, 2023$ 46,306228,273,04537,500(169,718,486)58,638,365Balance, shares at Sep. 30, 202346,304,354 — Balance at Jun. 30, 2023$ 45,887 223,134,798(1,484,693)(160,826,508)60,869,484Balance, shares at Jun. 30, 2023 45,888,131 — Stock-based compensation expense 7,630,596 Net loss for the period — (19,069,836)Balance at Dec. 31, 2023$ 49,345245,401,556(179,896,345)65,554,556Balance, shares at Dec. 31, 202349,343,225 — Balance at Sep. 30, 2023$ 46,306228,273,04537,500(169,718,486)58,638,365Balance, shares at Sep. 30, 202346,304,354 — Shares issued upon vesting of share-based awards$ 181 (181) Shares issued upon vesting of share-based awards, shares 180,811 — Stock-based compensation expense4,261,3274,261,327Shares issued pursuant to share purchase agreement, net of issuance costs$ 2,80012,829,92512,832,725Shares issued pursuant to share purchase agreement, net of issuance costs, shares 2,799,973 — Net loss for the period (10,177,859)(10,177,859)Shares issued pursuant to warrant exercises5837,440(37,500)(2)Balance at Dec. 31, 2023$ 49,345 245,401,556(179,896,345)65,554,556Balance, shares at Dec. 31, 202349,343,225 — Balance at Jun. 30, 2024$ 64,059275,589,383(857,470)(213,328,332) 61,467,640Balance, shares at Jun. 30, 202464,061,763 — Shares issued upon vesting of share-based awards$ 353(353) Shares issued upon vesting of share-based awards, shares 353,221 — Stock-based compensation expense2,420,7472,420,747Shares issued pursuant to share purchase agreement, net of issuance costs $ 5,9396,218,486102,7436,327,168Shares issued pursuant to share purchase agreement, net of issuance costs, shares 5,938,786 — Settlement of receivable pursuant to share purchase agreement$ 488607,848(608,336) Settlement of receivable pursuant to share purchase agreement, shares 487,838 — Reclassification of equity-linked contracts to liabilities(502,627)(502,627)Repurchase of Series D Redeemable Preferred shares$ 100 100Issuance of common shares under the Employee Stock Purchase Plan, shares5 — Issuance of common shares and warrants pursuant to subscription agreements$ 1,774533,623535,397Issuance of common shares and warrants pursuant to subscription agreements, shares 1,774,213 — Shares issued pursuant to debt extinguishment$ 726740,014740,740 Shares issued pursuant to debt extinguishment, shares 726,216 — Shares issued pursuant to share purchase agreement, net of issuance costs 50,00050,000Net loss for the period (11,694,569)(11,694,569)Reclassification of equity-classified awards from equity compensation liability502,627502,627Balance at Sep. 30, 2024$ 100$ 73,339285,607,121(1,313,063)(225,022,901)59,344,596Balance, shares at Sep. 30, 2024573,342,037 — Balance at Jun. 30, 2024$ 64,059275,589,383 (857,470)(213,328,332)61,467,640Balance, shares at Jun. 30, 202464,061,763 — Net loss for the period — (25,095,075)Balance at Dec. 31, 2024$ 84,390 310,351,869(1,415,806)(238,423,407)70,597,046Balance, shares at Dec. 31, 202484,392,375 — Balance at Sep. 30, 2024$ 100$ 73,339285,607,121(1,313,063) (225,022,901)59,344,596Balance, shares at Sep. 30, 2024573,342,037 — Shares issued upon vesting of share-based awards$ 1,074(1,074) Shares issued upon vesting of share-based awards, shares 1,073,399 — Stock-based compensation expense6,330,9146,330,914Shares issued pursuant to share purchase agreement, net of issuance costs$ 690695,774(102,743)593,721Shares issued pursuant to share purchase agreement, net of issuance costs, shares 690,553 — Reclassification of equity-linked contracts to liabilities(467,191)(467,191)Repurchase of Series D Redeemable Preferred shares$ (100) (100)Issuance of common shares under the Employee Stock Purchase Plan, shares(5)177,440 — Net loss for the period (13,400,506)(13,400,506)Issuance of common shares under the Employee Stock Purchase Plan178140,568140,746Issuance of common shares under the Employee Stock Purchase Plan, shares — Reclassification of equity-classified awards from equity compensation liability467,191467,191Reclassification of derivative equity instruments from long-term liabilities2,066,569 2,066,569Rescission of common shares and warrants pursuant to subscription agreements$ (875) (875)Rescission of Number common shares and warrants pursuant to subscription agreements, shares (875,000) — Shares issued pursuant to troubled debt restructuring$ 1,2101,142,5801,143,790Shares issued pursuant to troubled debt restructuring, shares 1,210,360 — Issuance of common shares and warrants pursuant to registered direct offerings$ 8,77413,902,226 13,911,000Issuance of number of shares pursuant to registered direct offerings, shares 8,773,586 — Shares issued pursuant to warrant exercises, shares 58,087 — Balance at Dec. 31, 2024$ 84,390$ 310,351,869$ (1,415,806)$ (238,423,407)$ 70,597,046Balance, shares at Dec. 31, 202484,392,375 —~~

~~- Definition~~

~~Adjustments to additional paid in capital reclassification of derivative equity instruments from long term liabilities.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_AdjustmentsToAdditionalPaidInCapitalReclassificationOfDerivativeEquityInstrumentsFromLongtermLiabilities Namespace Prefix:ABAT_ Data Type: xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Rescission of common shares and warrants pursuant to subscription agreements.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_RescissionOfCommonSharesAndWarrantsPursuantToSubscriptionAgreements Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Rescission of number of common shares and warrants pursuant to subscription agreements.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_RescissionOfNumberOfCommonSharesAndWarrantsPursuantToSubscriptionAgreements Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares exercise of warrants.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesExerciseOfWarrants Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares pursuant to debt extinguishment.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesPursuantToDebtExtinguishment Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares pursuant to registered direct offering.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesPursuantToRegisteredDirectOffering Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares pursuant to share purchase agreement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesPursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares pursuant to subscription agreements.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesPursuantToSubscriptionAgreements Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period shares settlement of receivable pursuant to share purchase agreement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodSharesSettlementOfReceivablePursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Shares issued for exercise of warrants.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValueExerciseOfWarrants Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Stock issued during period value pursuant to debt extinguishment.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValuePursuantToDebtExtinguishment Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Stock issued during period value pursuant to registered direct offering.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValuePursuantToRegisteredDirectOffering Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Stock issued during period value pursuant to subscription agreements.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_StockIssuedDuringPeriodValuePursuantToSubscriptionAgreements Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type: credit Period Type:duration~~

~~- Definition~~

~~Stock issued during period value reverse stock splits.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValueReverseStockSplits Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during period value settlement of receivable pursuant to share purchase agreement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValueSettlementOfReceivablePursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type: xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Stock issued during period value shares issued pursuant to share purchase agreement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringPeriodValueSharesIssuedPursuantToSharePurchaseAgreement Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Stock issued during the period shares issued pursuant to troubled debt restructuring.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringThePeriodSharesIssuedPursuantToTroubledDebtRestructuring Namespace Prefix:ABAT_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Stock issued during the period value issued pursuant to troubled debt restructuring.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:ABAT_StockIssuedDuringThePeriodValueIssuedPursuantToTroubledDebtRestructuring Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Amount of increase in additional paid-in capital (APIC) for recognition of cost for employee stock purchase program (ESPP) award under share-based payment arrangement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_AdjustmentsToAdditionalPaidInCapitalShareBasedCompensationEmployeeStockPurchaseProgramRequisiteServicePeriodRecognition Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The portion of profit or loss for the period, net of income taxes, which is attributable to the parent.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Number of shares issued which are neither cancelled nor held in the treasury.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_SharesOutstanding Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:instant~~

~~- Definition~~

~~Number of shares of stock issued during the period pursuant to acquisitions.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1~~

~~+ Details~~

~~Name:us-gaap_StockIssuedDuringPeriodSharesAcquisitions Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Number of shares issued during the period as a result of an employee stock purchase plan.~~

~~+ References~~

~~Reference 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_StockIssuedDuringPeriodSharesEmployeeStockPurchasePlans Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Number of shares issued in lieu of cash for services contributed to the entity. Number of shares includes, but is not limited to, shares issued for services contributed by vendors and founders.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_StockIssuedDuringPeriodSharesIssuedForServices Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Number of shares of stock issued attributable to transactions classified as other.~~

~~+ References~~

~~No definition available.~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesOther Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Number of shares of stock issued during the period as part of a transaction to acquire assets that do not qualify as a business combination.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesPurchaseOfAssets Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Reduction in the number of shares during the period as a result of a reverse stock split.~~

~~+ References~~

~~Reference 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/1943274/2147481112/505-10-50-2~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodSharesReverseStockSplits Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Value of stock issued pursuant to acquisitions during the period.~~

~~+ References~~

~~Reference 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_StockIssuedDuringPeriodValueAcquisitions Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type: duration~~

~~- Definition~~

~~Aggregate change in value for stock issued during the period as a result of employee stock purchase plan.~~

~~+ References~~

~~Reference 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_StockIssuedDuringPeriodValueEmployeeStockPurchasePlan Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Value of stock issued in lieu of cash for services contributed to the entity. Value of the stock issued includes, but is not limited to, services contributed by vendors and founders.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodValueIssuedForServices Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type: duration~~

~~- Definition~~

~~Value of shares of stock issued attributable to transactions classified as other.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodValueOther Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Value of shares of stock issued during the period as part of a transaction to acquire assets that do not qualify as a business combination.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_StockIssuedDuringPeriodValuePurchaseOfAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type: duration~~

~~- Definition~~

~~Number of shares that have been repurchased and retired during the period.~~

~~+ References~~

~~Reference 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_StockRepurchasedAndRetiredDuringPeriodShares Namespace Prefix:us-gaap_ Data Type:xbrli:sharesItemType Balance Type:na Period Type: duration*~~

~~*- Definition*~~

~~*Equity impact of the value of stock that has been repurchased and retired during the period. The excess of the purchase price over par value can be charged against retained earnings (once the excess is fully allocated to additional paid in capital).*~~

~~*+ References*~~

~~*Reference 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_StockRepurchasedAndRetiredDuringPeriodValue Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type: duration*~~

~~*- Definition*~~

~~*Equity impact of the value of stock that has been repurchased during the period and has not been retired and is not held in treasury. Some state laws may mandate the circumstances under which an entity may acquire its own stock and prescribe the accounting treatment therefore. This element is used when state law does not recognize treasury stock.*~~

~~*+ References*~~

~~*Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 50 -Paragraph 2 -SubTopic 10 -Topic 505 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-2Reference 2: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name*~~

~~***Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(28)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 3: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 210 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.5-02(29)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480566/210-10-S99-1Reference 4: http://www.xbrl.org/2003/role/exampleRef -Topic 946 -SubTopic 830 -Name Accounting Standards Codification -Section 55 -Paragraph 11 -Publisher FASB -URI https://asc.fasb.org/1943274/2147479168/946-830-55-11Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 205 -Name Accounting Standards Codification -Section 45 -Paragraph 4 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478009/946-205-45-4Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-2Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 220 -Name Accounting Standards Codification -Section S99 -Paragraph 3 -Subparagraph (SX 210.6-09(4)(b)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147479134/946-220-S99-3Reference 8: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1***~~

~~***+ Details***~~

~~***Name:us-gaap_StockRepurchasedDuringPeriodValue Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration***~~

~~***- Definition***~~

~~***Amount of equity (deficit) attributable to parent. Excludes temporary equity and equity attributable to noncontrolling interest.***~~

~~***+ References***~~

~~***Reference 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 30 R6.htm IDEA: XBRL DOCUMENT~~

~~Condensed Consolidated Statements of Cash Flows (Unaudited) - USD ($)6 Months Ended~~
~~Dec. 31, 2024~~
~~Dec. 31, 2023~~

~~Cash Flows From Operating Activities: Net loss$ (25,095,075)$ (19,069,836)Adjustments to reconcile net loss to net cash used in operating activities: Depreciation expense2,518,00181,410Accretion of financing costs1,904,5461,865,154Amortization of right-of-use asset52,31550,525Write-down of inventory to net realizable value2,394,274 Unrealized loss on investment5,497Stock-based compensation9,502,0307,691,511 Shares issued for professional services(448) Change in fair value of derivative liability(705,184)229,473Change in fair value of conversion option(138,060) Change in fair value of liability-classified equity-linked contracts(737,040) Loss on extinguishment of debt675,648 Loss on private placement567,161 Changes in operating assets and liabilities: Accounts receivable(95,476) Inventory(2,814,057)(489,238)Grants receivable164,403(326,170)Prepaid expenses and deposits1,285,820416,234Other current assets (316,351)Accounts payable and accrued liabilities(2,053,400)2,502,865Right-of-use lease liabilities(241,884)(59,326)Net Cash Used in Operating Activities (12,815,978)(7,418,700)Cash Flows From Investing Activities: Other acquisition deposits(279,878)Acquisition of property, plant and equipment, and water rights(1,509,581)(10,418,868)Purchase of water rights/intangible assets(169,714)Net Cash Used in Investing Activities(1,509,581)(10,868,460)Cash Flows From Financing Activities: Proceeds from exercise of share purchase warrants37,499Proceeds from employee stock purchase plan140,746 Proceeds from issuance of common shares through At-The-Market offering7,579,122 Proceeds from subscription agreements (Note 13)1,900,000 Proceeds from registered direct offerings 15,000,000 Payment of issuance costs, registered direct offerings(1,089,000) Proceeds from notes payable, net of issuance costs9,900,00020,287,118Principal paid on notes payable(5,483,333)(11,400,000)Proceeds from share purchase agreement, net of issuance costs14,689,178Net Cash Provided by Financing Activities27,947,53523,613,795Increase in Cash and Restricted Cash13,621,9765,326,635Cash and Restricted Cash - Beginning of Period7,001,7862,320,149~~

~~Cash and Restricted Cash - End of Period$ 20,623,762$ 7,646,784~~

~~- Definition~~

~~Change in fair value of conversion option.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_ChangeInFairValueOfConversionOption Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Change in fair value of liability classified equity linked contracts excluding conversion option.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_ChangeInFairValueOfLiabilityclassifiedEquitylinkedContractsExcludingConversionOption Namespace Prefix:ABAT_ Data Type: xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Gains losses on private placement.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_GainsLossesOnPrivatePlacement Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Proceeds from registered direct offerings~~

~~*+ References*~~

~~***No definition available.***~~

~~*+ Details*~~
~~***Name:ABAT_ProceedsFromRegisteredDirectOfferings Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration***~~

~~*- Definition*~~

~~***Proceeds from subscription agreements.***~~

~~*+ References*~~

~~***No definition available.***~~

~~*+ Details*~~
~~***Name:ABAT_ProceedsFromSubscriptionAgreements Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration***~~

~~*- Definition*~~

~~***Shares issued for services professional services.***~~

~~*+ References*~~

~~***No definition available.***~~

~~*+ Details*~~
~~***Name:ABAT_SharesIssuedForServicesProfessionalServices Namespace Prefix:ABAT_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type: duration***~~

~~*- Definition*~~

~~***Amount recognized for the passage of time, typically for liabilities, that have been discounted to their net present values. Excludes accretion associated with asset retirement obligations.***~~

~~*+ References*~~

~~***Reference 1: http://www.xbrl.org/2003/role/exampleRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 35 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481639/420-10-35-4Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 420 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (b)(2) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482017/420-10-50-1***~~

~~*+ Details*~~
~~***Name:us-gaap_AccretionExpense Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration***~~

~~*- References*~~

~~***No definition available.***~~

~~*+ Details*~~
~~***Name:us-gaap_AdjustmentsToReconcileNetIncomeLossToCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type: xbrli:stringItemType Balance Type:na Period Type:duration***~~

~~*- Definition*~~

~~***Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.***~~

~~*+ References*~~

~~***Reference 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*~~

~~*- Definition*~~

~~*Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*The 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.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount of increase (decrease) in the fair value of derivatives recognized in the income statement.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 815 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 4A -Subparagraph (b)(1) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480434/815-10-50-4A*~~

~~*+ Details*~~

~~*Name:us-gaap_DerivativeGainLossOnDerivativeNet Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Difference between the fair value of payments made and the carrying amount of debt which is extinguished prior to maturity.*~~

~~*+ References*~~

~~*Reference 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~~

~~- Definition~~

~~The increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid.~~

~~+ References~~

~~Reference 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_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The 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.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~The 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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_IncreaseDecreaseInOperatingCapitalAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~*- Definition*~~

~~*Amount of increase (decrease) in obligation for operating lease.*~~

~~*+ References*~~

~~*Reference 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/1943274/2147482740/230-10-45-28Reference 2: http://www.xbrl.org/2009/role/commonPracticeRef -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Subparagraph (g)(1) -SubTopic 20 -Topic 842 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478964/842-20-50-4*~~

~~*+ Details*~~

~~*Name:us-gaap_IncreaseDecreaseInOperatingLeaseLiability Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of increase (decrease) in current assets classified as other.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28*~~

~~*+ Details*~~

~~*Name:us-gaap_IncreaseDecreaseInOtherCurrentAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of increase (decrease) in receivables classified as other.*~~

~~*+ References*~~

~~*Reference 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_IncreaseDecreaseInOtherReceivables Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration*~~

~~*- Definition*~~

~~*Amount of increase (decrease) in prepaid expenses, and assets classified as other.*~~

~~*+ References*~~

~~*Reference 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*~~

~~*- Definition*~~

~~*Amount of loss from reductions in inventory due to subsequent measurement adjustments, including, but not limited to, physical deterioration, obsolescence, or changes in price levels.*~~

~~*+ References*~~

~~*Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 330 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Publisher FASB -URI https://asc.fasb.org/1943274/2147483080/330-10-50-2*~~

~~+ Details~~

~~Name:us-gaap_InventoryWriteDown Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount 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.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Amount of cash inflow (outflow) from investing activities, including discontinued operations. Investing activity cash flows include making and collecting loans and acquiring and disposing of debt or equity instruments and property, plant, and equipment and other productive assets.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInInvestingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Amount of cash inflow (outflow) from operating activities, including discontinued operations. Operating activity cash flows include transactions, adjustments, and changes in value not defined as investing or financing activities.~~

~~+ References~~

~~Reference 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~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_NetCashProvidedByUsedInOperatingActivitiesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~The portion of profit or loss for the period, net of income taxes, which is attributable to the parent.~~

~~+ References~~

~~Reference 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~~

~~- Definition~~

~~Amount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2009/role/commonPracticeRef -Topic 230 -SubTopic 10 -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28~~

~~+ Details~~
~~Name:us-gaap_OperatingLeaseRightOfUseAssetAmortizationExpense Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The cash outflow paid to third parties in connection with debt origination, which will be amortized over the remaining maturity period of the associated long-term debt.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Topic 230 -SubTopic 10 -Section 45 -Paragraph 15 -Subparagraph (e) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-15~~

~~+ Details~~
~~Name:us-gaap_PaymentsOfDebtIssuanceCosts Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The cash outflow from the acquisition of a mineral right which is the right to extract a mineral from the earth or to receive payment, in the form of royalty, for the extraction of minerals.~~

~~+ References~~

~~Reference 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_PaymentsToAcquireMineralRights Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~Amount of cash outflow for the purchase of or improvements to tangible or intangible assets, used to produce goods or deliver services, classified as other.~~

~~+ References~~

~~Reference 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_PaymentsToAcquireOtherProductiveAssets Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type: duration~~

~~- Definition~~

~~Amount of cash outflow from the acquisition of or improvements to long-lived, physical assets used to produce goods and services and not intended for resale, classified as other.~~

~~+ References~~

~~Reference 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_PaymentsToAcquireOtherPropertyPlantAndEquipment Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration~~

~~- Definition~~

~~The cash inflow from the additional capital contribution to the entity.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14~~

~~+ Details~~

~~Name:us-gaap_ProceedsFromIssuanceOfCommonStock Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of cash inflow from issuance of shares under share-based payment arrangement. Excludes option exercised.~~

~~+ References~~

~~Reference 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_ProceedsFromIssuanceOfSharesUnderIncentiveAndShareBasedCompensationPlans Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The cash inflow from issuance of rights to purchase common shares at predetermined price (usually issued together with corporate debt).~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14~~

~~+ Details~~

~~Name:us-gaap_ProceedsFromIssuanceOfWarrants Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~The cash inflow from a borrowing supported by a written promise to pay an obligation.~~

~~+ References~~

~~Reference 1: 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_ProceedsFromNotesPayable Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of cash inflow (outflow) from long-term debt supported by a written promise to pay an obligation.~~

~~+ References~~

~~No definition available.~~

~~+ Details~~
~~Name:us-gaap_ProceedsFromRepaymentsOfNotesPayable Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type: duration~~

~~- Definition~~

~~The cash inflow associated with the amount received from the stock plan during the period.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 14 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-14~~

~~+ Details~~
~~Name:us-gaap_ProceedsFromStockPlans Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of noncash expense for share-based payment arrangement.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (a) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28~~

~~+ Details~~
~~Name:us-gaap_ShareBasedCompensation Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:debit Period Type:duration~~

~~- Definition~~

~~Amount of unrealized gain (loss) on investment.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Name Accounting Standards Codification -Section 45 -Paragraph 28 -Subparagraph (b) -SubTopic 10 -Topic 230 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482740/230-10-45-28~~

~~+ Details~~
~~Name:us-gaap_UnrealizedGainLossOnInvestments Namespace Prefix:us-gaap_ Data Type:xbrli:monetaryItemType Balance Type:credit Period Type:duration XML~~
~~31 R7.htm IDEA: XBRL DOCUMENT~~
~~Pay vs Performance Disclosure - USD ($)3 Months Ended6 Months Ended~~
~~Dec. 31, 2024~~
~~Sep. 30, 2024~~
~~Dec. 31, 2023~~
~~Sep. 30, 2023~~
~~Dec. 31, 2024~~
~~Dec. 31, 2023~~
~~Pay vs Performance Disclosure [Table] Net Income (Loss)$ (13,400,506)$ (11,694,569)$ (10,177,859)$ (8,891,978)$ (25,095,075)$ (19,069,836)~~
~~- References~~

~~Reference 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*~~

~~*- Definition*~~

~~*The portion of profit or loss for the period, net of income taxes, which is attributable to the parent.*~~

~~*+ References*~~

~~*Reference 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 XML 32 R8.htm IDEA: XBRL DOCUMENT~~

~~Insider Trading Arrangements3 Months Ended~~
~~Dec. 31, 2024~~

~~Insider Trading Arrangements [Line Items] Name Jesse Deutsch Title Chief Financial Officer~~

~~- References~~

~~Reference 1: http://www.xbrl.org/2003/role/presentationRef -Publisher SEC -Name Regulation S-K -Number 229 -Section 408 -Subsection a~~

~~+ Details~~

~~Name:ecd_InsiderTradingArrLineItems Namespace Prefix:ecd_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- References~~

~~Reference 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_TrdArrIndName Namespace Prefix:ecd_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- References~~

~~Reference 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_TrdArrIndTitle Namespace Prefix:ecd_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration XML 33 R9.htm IDEA: XBRL DOCUMENT~~

~~Organization and Nature of Operations6 Months Ended~~
~~Dec. 31, 2024~~

~~Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization and Nature of Operations~~

~~1. Organization and Nature of Operations~~

~~American Battery Technology Company ("the Company" or "ABTC") is an integrated critical battery materials company in the lithium-ion battery industry that is working to increase the domestic U.S. production of battery materials, such as lithium, nickel, cobalt, and manganese through its engagement in the exploration of new primary resources of battery metals, in the development and commercialization of new technologies for the extraction of these battery metals from primary resources, and in the commercialization of an internally developed integrated process for the recycling of lithium-ion batteries. Through this three-pronged approach the Company is working to both increase the domestic production of these battery materials, and to ensure that as these materials reach their end of lives that the constituent elemental battery metals are returned to the domestic manufacturing supply chain in a closed-loop fashion.~~

~~The Company was incorporated under the laws of the State of Nevada on October 6, 2011, for the purpose of acquiring rights to mineral properties with the eventual objective of being a producing mineral company. We have a limited operating history and generated our initial revenue in the fourth quarter of fiscal 2024. Our principal executive offices are located at 100 Washington Ave., Suite 100, Reno, Nevada 89503.~~

~~- Definition~~

~~The entire disclosure for the nature of an entity's business, major products or services, principal markets including location, and the relative importance of its operations in each business and the basis for the determination, including but not limited to, assets, revenues, or earnings. For an entity that has not commenced principal operations, disclosures about the risks and uncertainties related to the activities in which the entity is currently engaged and an understanding of what those activities are being directed toward.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Topic 275 -Publisher FASB -URI https://asc.fasb.org/275/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Name Accounting Standards Codification -Section 50 -Paragraph 1 -Subparagraph (a) -SubTopic 10 -Topic 275 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482861/275-10-50-1~~

~~*+ Details*~~

~~***Name:us-gaap_NatureOfOperations** Namespace Prefix:us-gaap_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration*~~

~~*- References*~~

~~***No definition available.***~~

~~*+ Details*~~

~~***Name:us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract** Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration XML 34 R10.htm IDEA: XBRL DOCUMENT*~~

~~***Liquidity and Going Concern6 Months Ended***~~

~~***Dec. 31, 2024***~~

~~***Organization, Consolidation and Presentation of Financial Statements [Abstract]** Liquidity and Going Concern*~~

~~***2. Liquidity and Going Concern***~~

~~***During the six months ended December 31, 2024, the Company incurred a net loss of $ million and used cash of $ million for operating activities. At December 31, 2024, the Company has a cash balance of $ million (of which $ million was available and $ million is restricted) and an accumulated deficit of $ million.25.112.820.615.65.0238.4***~~

~~***The continuation of the Company as a going concern is dependent upon generating profit from its operations and its ability to obtain debt or equity financing. There is no assurance that the Company will be able to generate sufficient profits, obtain such financings, or obtain them on favorable terms, which could limit its operations. Any such financing activities are subject to market conditions. These uncertainties cause substantial doubt to exist as to the Company's ability to continue as a going concern for 12 months from issuance of these financial statements. These condensed consolidated financial statements do not include any adjustments to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern. These adjustments could be material.***~~

~~Based on its current operating plan, unless the Company generate income from the operations of its facilities or raises additional capital (debt or equity), it is possible that the Company will be unable to maintain its financial covenants under our existing Note agreement (Note 11). If such covenant violations are not waived by the Note holder, it would result in an event of default, causing an acceleration of the outstanding balances. If the Company does raise additional capital through public or private equity offerings, as opposed to debt or additional Note issuances, the ownership interests of its existing stockholders may be diluted.~~

~~*- References*~~

~~***No definition available.***~~

~~*+ Details*~~

~~***Name:us-gaap_OrganizationConsolidationAndPresentationOfFinancialStatementsAbstract** Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration*~~

~~*- Definition*~~

~~***The entire disclosure when substantial doubt is raised about the ability to continue as a going concern. Includes, but is not limited to, principal conditions or events that raised substantial doubt about the ability to continue as a going concern, management's evaluation of the significance of those conditions or events in relation to the ability to meet its obligations, and management's plans that alleviated or are intended to mitigate the conditions or events that raise substantial doubt about the ability to continue as a going concern.***~~

~~*+ References*~~

~~***Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 205 -SubTopic 40 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/205-40/tableOfContent***~~

~~*+ Details*~~

~~***Name:us-gaap_SubstantialDoubtAboutGoingConcernTextBlock** Namespace Prefix:us-gaap_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type: duration XML 35 R11.htm IDEA: XBRL DOCUMENT*~~

~~***Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements6 Months Ended***~~

~~***Dec. 31, 2024***~~

~~***Accounting Policies [Abstract]** Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements*~~

~~***3. Basis of Presentation, Summary of Significant Accounting Policies and Recent Accounting Pronouncements***~~

~~***The accompanying condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP") for interim financial information and pursuant to the instructions to Form 10-Q and Rule 10-01 of Regulation S-X of the U. S. Securities and Exchange Commission ("SEC") and on the same basis as the Company prepares its annual audited consolidated financial statements.***~~

~~***AMERICAN BATTERY TECHNOLOGY COMPANY***~~

~~***Notes to the Condensed Consolidated Financial Statements***~~

~~***(unaudited)***~~

~~***The condensed consolidated balance sheet at December 31, 2024, and the condensed consolidated statements of operations, comprehensive income (loss), and stockholders' equity, and cash flows for the three and six months ended December 31, 2024 and 2023 are unaudited, but include all adjustments, consisting of normal recurring adjustments the Company considers necessary for a fair presentation of the financial position, operating results, and cash flows for the periods presented. The results for the six months ended December 31, 2024 are not necessarily indicative of results to be expected for the year ending June 30, 2025 or for any future interim period. The condensed consolidated balance sheet at June 30, 2024 has been derived from audited financial statements; however, it does not include all of the information and notes required by U.S. GAAP for complete financial statements. The accompanying condensed consolidated financial statements should be read in conjunction with the audited financial statements for the year ended June 30, 2024 and notes thereto included in the Company's Annual Report on Form 10-K for the fiscal year ended June 30, 2024 as filed with the SEC on September 23, 2024 (the "Fiscal 2024 Form 10-K"). The Company's consolidated subsidiaries consist of its wholly owned subsidiaries, LithiumOre Corporation (formerly Lithortech Resources Inc), and ABTC 2500 Peru LLC (formerly Aqua Metals Transfer LLC).***~~

~~***The accompanying condensed consolidated interim financial statements include the accounts of the Company and its subsidiaries. All material intercompany balances and transactions have been eliminated in consolidation.***~~

~~The Company has made a presentation change to reclassify short-term right-of-use operating lease liabilities out of accounts payable and accrued liabilities in the balance sheet. The change to reclassify the amount in the prior period has been made to conform to the current period presentation.~~

~~***As disclosed in the Company's Fiscal 2024 Form 10-K, subsequent to the issuance of the Company's Fiscal 2023 consolidated financial statements, the Company identified errors in the application of Accounting Standards Codification ("ASC") 710, "Compensation-General," and ASC 718, "Compensation-Stock Compensation," related to expense recognition for cash and equity awards that are subject to both service and performance conditions. ASC 710 and ASC 718 require recognition of compensation cost once achievement of the performance condition becomes probable as the requisite service is provided. Historically, the Company did not recognize compensation cost for certain cash and equity awards until the performance conditions in the form of milestones were achieved, and for the Company's common share warrant performance-based awards, no compensation cost had previously been recognized when the performance conditions either became probable of achievement or were achieved. As the common share warrant and restricted stock unit ("RSU") performance-based awards to executive officers and key employees are granted with a fixed dollar value and settled in a variable number of common share warrants or RSUs, these awards are liability-classified until the number of common share warrants or RSUs are fixed, and the corresponding compensation cost should be recorded to current or long-term liabilities, or additional paid-in capital, depending on expected timing of settlement of the award, once the performance conditions become probable of achievement.***~~

~~***The correction of this error resulted in an increase in compensation cost of $ million and $ million for the three and six months ended December 31, 2023, respectively. As certain of these awards are liability-classified, the correction of this error resulted in an increase of $ million in accounts payable and accrued liabilities and less than $ million in the equity compensation liability, and an increase of $ million in additional paid-in capital for the awards where the number of common share warrants or RSUs are fixed as of December 31, 2023.0.62.20.30.11.8***~~

~~***The Company also identified an error in application of ASC 815, "Derivatives and Hedging," related to the initial and subsequent recognition of a freestanding call option in the Company's convertible notes that does not qualify for equity classification. ASC 815 requires bifurcation of the conversion option with subsequent changes in the fair value of the bifurcated derivative to be recorded in earnings. At issuance of the convertible notes, the Company should have recognized a derivative liability and a corresponding discount on the convertible notes resulting from bifurcation of the derivative, with subsequent changes in the fair value of the derivative liability and accretion of the discount recorded in earnings.***~~

~~***The correction of this error resulted in an increase in interest and other expense of $ million for the quarter ended December 31, 2023. For the six-month period ended December 31, 2023, the error resulted in an increase in interest and other expenses of $ million.0.30.4***~~

~~***AMERICAN BATTERY TECHNOLOGY COMPANY***~~

~~***Notes to the Condensed Consolidated Financial Statements***~~

~~***(unaudited)***~~

~~CONDENSED CONSOLIDATED STATEMENT OF OPERATIONS~~

~~As Reported~~ ~~Adjustments~~ ~~As Corrected~~

	~~Three months ended December 31, 2023~~		
	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
~~Operating expenses~~			
~~General and administrative~~	~~$ 4,310,452~~	~~$ 106,264~~	~~$ 4,416,716~~
~~Research and development~~	~~3,148,873~~	~~420,294~~	~~3,569,167~~
~~Exploration~~	~~771,523~~	~~51,902~~	~~823,425~~
~~Total operating expenses~~	~~8,230,848~~	~~578,460~~	~~8,809,308~~
~~Net loss before other income (expense)~~	~~$ (8,230,848)~~	~~$ (578,460)~~	~~$ (8,809,308)~~
~~Other income (expense)~~			
~~Amortization and accretion of financing costs~~	~~$ (1,053,766)~~	~~$ (78,492)~~	~~$ (1,132,258)~~
~~Change in fair value of derivative liability~~	~~(229,472)~~		~~(229,472)~~
~~Total other income (expense)~~	~~(1,060,587)~~	~~(307,965)~~	~~(1,368,551)~~
~~Net loss attributable to common stockholders~~	~~$(9,291,435)~~	~~$(886,424)~~	~~$(10,177,859)~~
~~Net loss per share, basic and diluted~~	~~$ (0.19)~~	~~$(0.02)~~	~~$(0.21)~~

~~As Reported~~ ~~Adjustments~~ ~~As Corrected~~

	~~Six months ended December 31, 2023~~		
	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
~~Operating expenses~~			
~~General and administrative~~	~~$ 7,259,298~~	~~$ 211,415~~	~~$ 7,470,713~~
~~Research and development~~	~~5,304,187~~	~~1,878,831~~	~~7,183,018~~
~~Exploration~~	~~2,051,305~~	~~122,040~~	~~2,173,345~~
~~Total operating expenses~~	~~14,614,790~~	~~2,212,286~~	~~16,827,076~~
~~Net loss before other income (expense)~~	~~$ (14,614,790)~~	~~$ (2,212,286)~~	~~$ (16,827,076)~~
~~Other income (expense)~~			
~~Amortization and accretion of financing costs~~	~~$ (1,760,497)~~	~~$ (104,657)~~	~~$ (1,865,154)~~
~~Change in fair value of derivative liability~~	~~(229,473)~~		~~(229,473)~~
~~Total other income (expense)~~	~~(1,908,630)~~	~~(334,130)~~	~~(2,242,760)~~
~~Net loss attributable to common stockholders~~	~~$(16,523,420)~~	~~$(2,546,416)~~	~~$(19,069,836)~~
~~Net loss per share, basic and diluted~~	~~$ (0.35)~~	~~$(0.05)~~	~~$(0.40)~~

~~CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY~~

~~As Reported~~ ~~Adjustments~~ ~~As Corrected~~

	~~Three months ended December 31, 2023~~		
	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
~~Stockholders' Equity~~			
~~Additional paid-in capital:~~			
~~Stock-based compensation expense~~	~~3,836,466~~	~~424,861~~	~~4,261,327~~
~~Balance, December 31, 2023~~	~~$ 243,020,935~~	~~$ 2,380,621~~	~~$ 245,401,556~~
~~Accumulated deficit~~			
~~Net loss for period~~	~~(9,291,435)~~	~~(886,424)~~	~~(10,177,859)~~
~~Balance, December 31, 2023~~	~~$ (176,496,995)~~	~~$ (3,399,350)~~	~~$ (179,896,345)~~
~~Total stockholders' equity~~			
~~Balance, December 31, 2023~~	~~$ 66,573,285~~	~~$ (1,018,729)~~	~~$ 65,554,556~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY~~

~~Notes to the Condensed Consolidated Financial Statements~~
~~(unaudited)~~

~~As Reported~~ ~~Adjustments~~ ~~As Corrected~~

	~~Six months ended December 31, 2023~~		
	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
~~Stockholders' Equity~~			
~~Additional paid-in capital:~~			
~~Stock-based compensation expense~~	~~5,757,908~~	~~1,872,688~~	~~7,630,596~~
~~Balance, December 31, 2023~~	~~$ 243,020,935~~	~~$ 2,380,621~~	~~$ 245,401,556~~
~~Accumulated deficit~~			
~~Net loss for period~~	~~(16,523,420)~~	~~(2,546,416)~~	~~(19,069,836)~~
~~Balance, December 31, 2023~~	~~$ (176,496,995)~~	~~$ (3,399,350)~~	~~$ (179,896,345)~~
~~Total stockholders' equity~~			
~~Balance, December 31, 2023~~	~~$ 66,573,285~~	~~$ (1,018,729)~~	~~$ 65,554,556~~

~~CONDENSED CONSOLIDATED STATEMENT OF CASH FLOWS~~

	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
	~~Six months ended December 31, 2023~~		
	~~As Reported~~	~~Adjustments~~	~~As Corrected~~
~~Operating Activities~~			
~~Net loss attributable to stockholders~~	~~$ (16,523,420)~~	~~$ (2,546,416)~~	~~$ (19,069,836)~~
~~Adjustments to reconcile net loss to net cash used in operating activities:~~			
~~Amortization and accretion expense~~	~~$ 1,760,497~~	~~$ 104,657~~	~~$ 1,865,154~~
~~Stock-based compensation~~	~~5,757,908~~	~~1,933,603~~	~~7,691,511~~
~~Shares issued for professional services~~	~~(132)~~	~~(316)~~	~~(448)~~
~~Change in fair value of derivative liability~~			

	~~229,473~~	~~229,473~~		~~$(7,418,700)~~
~~Changes in operating assets and liabilities:~~				
~~Accounts payable and accrued liabilities~~	~~$ 2,164,539~~	~~$279,000~~	~~$2,443,539~~	
~~Net cash used in operating activities~~	~~$(7,418,700)~~	~~$~~		

~~Use of Estimates~~

~~The preparation of these condensed consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. The Company regularly evaluates estimates and assumptions related to the fair value of stock-based compensation, valuation and recoverability of long-lived assets and intangible assets subject to impairment testing, and deferred income tax asset valuation allowances.~~

~~Cash and Cash Equivalents~~

~~The Company considers all short-term investments with an original maturity of three months or less when purchased to be cash equivalents. The Company did not have any cash equivalents as of December 31, 2024 and June 30, 2024.~~

~~Fair Value of Financial Instruments~~

~~Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value is an exit price concept that assumes an orderly transaction between willing market participants and is required to be based on assumptions that market participants would use in pricing an asset or a liability. Current accounting guidance establishes a three-tier fair value hierarchy as a basis for considering such assumptions and for classifying the inputs used in the valuation methodologies. This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. The three levels of inputs used to measure fair values are as follows:~~

~~Level 1: Quoted prices (unadjusted) in active markets for identical assets and liabilities that the reporting entity can assess at the measurement date.~~

~~Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly.~~

~~Level 3: Unobservable inputs for the asset or liability which include the Company's assumptions regarding the data market participants would use in pricing the asset or liability based on the best information available under the circumstances.~~

~~The carrying values of the Company's cash, accounts receivable, prepaid expenses and deposits, notes payable, accounts payable and accrued liabilities approximate fair value due to their short maturities.~~

~~The Company's recurring fair value measurements include the valuation of the derivative liabilities for the bifurcated notes payable freestanding call and conversion options and for the liability-classified equity-linked contracts, both of which are classified as Level 3 of the fair value hierarchy. See Notes 6 and 11 for relevant fair value disclosures. Given use of unobservable inputs, there is inherently uncertainty that the inputs could reasonably have been different as of the reporting date.~~

~~The Company's non-recurring fair value measurements include the valuation of the assets held-for-sale as of December 31, 2024. See Note 7 for relevant fair value disclosures.~~

~~Adoption of Recent Accounting Pronouncements~~

~~The Company continually assesses new accounting pronouncements to determine their applicability. When it is determined a new accounting pronouncement affects the Company's financial reporting, the Company undertakes a review to determine the consequences of the change to its consolidated financial statements and assures there are sufficient controls in place to ascertain the Company's consolidated financial statements properly reflect the change.~~

~~In November 2023, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2023-07, "Segment Reporting - Improvements to Reportable Segment Disclosures", which updates reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The amendments in this ASU are effective for annual periods beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements.~~

~~In December 2023, the FASB issued ASU 2023-09, "Improvements to Income Tax Disclosures", which updates income tax disclosures primarily related to the rate reconciliation and income taxes paid information. This ASU also includes certain other amendments to improve the effectiveness of income tax disclosures. The amendments in this ASU are effective for annual periods beginning after December 15, 2024. Early adoption is permitted for annual financial statements that have not yet been issued or made available for issuance. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements.~~

~~In November 2024, the FASB Issued ASU 2024-03, "Income Statement - Reporting Comprehensive Income - Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses." The amendments in this update require disclosures, in the notes to financial statements, of specified information about certain costs and expenses. The amendment clarifies which certain costs and expenses that are included in cost of sales and selling, general, and administrative expense categories that should be disclosed with qualitative descriptions of amounts that are not separately disaggregated quantitatively. Additionally, the amendment requires disclosure of total amounts of selling expenses and an entity's definition of selling expense. The update will be effective for annual periods beginning after December 15, 2026 and interim reporting periods beginning after December 15, 2027, with early adoption permitted. The Company is in the process of determining the effect this ASU will have on the disclosures contained in the notes to the consolidated financial statements.~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_AccountingPoliciesAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The entire disclosure for all significant accounting policies of the reporting entity.~~

~~+ References~~

~~Reference 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 36 R12.htm IDEA: XBRL DOCUMENT~~

~~Inventories~~	~~6 Months Ended~~ ~~Dec. 31, 2024~~
~~Inventory Disclosure [Abstract]~~	~~Inventories~~

~~4. Inventories~~

~~The Company's inventory for its lithium-ion battery recycling operation is comprised of raw materials, in the form of battery feedstock, and finished goods, in the form of black mass and other metals. Inventory is valued at the lower of average cost or net realizable value. The carrying value of inventory includes those costs to acquire battery feedstock and any related carrying and processing costs~~

~~incurred by the Company.~~

	~~December 31, 2024~~	~~June 30, 2024~~
~~Raw materials~~	~~$ 449,665~~	~~$ 66,088~~
~~Finished goods~~	~~124,438~~	~~88,232~~
~~Total~~	~~$ 574,103~~	~~$ 154,320~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_InventoryDisclosureAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~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.~~

~~+ References~~

~~Reference 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 37~~

~~R13.htm IDEA: XBRL DOCUMENT~~

~~Government Grants and Tax Credit Awards 6 Months Ended~~
~~Dec. 31, 2024~~

~~Government Grants And Tax Credit Awards Government Grants and Tax Credit Awards~~

~~5. Government Grants and Tax Credit Awards~~

~~Grants receivable represent qualifying costs incurred where there is reasonable assurance that the conditions of the grant have been met but the corresponding funds have not been received as of the reporting date. As collections from the federal government have been and are expected to continue to be timely, no allowance for doubtful accounts has been established. If amounts become uncollectible, they will be charged to operations. Grants receivable was $27,000 and $0.2 million as of December 31, 2024 and June 30, 2024, respectively. The Company recognizes invoiced government funds as an offset to R&D costs in the period the qualifying costs are incurred. During the six months ended December 31, 2024, the Company recognized $2.3 million of invoiced government funds as an offset to R&D costs. Grants related to investments in property and equipment are recognized as a reduction to the cost basis of the underlying assets with an ongoing reduction to depreciation expense over the assets' estimated useful life.~~

~~On January 20, 2021, the U.S. Department of Energy ("DOE") announced that the Company had been selected for award negotiation for a three-year project with a total budget of $ million for the field demonstration of its selective leaching, targeted purification, and electro-chemical production of battery grade lithium hydroxide from domestic claystone resources technology. Through this grant award the Company is eligible to receive reimbursement of up to % of eligible expenditures, or up to $ million. The prime agreement contract for this grant (the "AMMTO grant") was issued with a project start date of October 1, 2021. The Company began receiving funds related to this award during the fiscal year ending June 30, 2022. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $ million, which represents % of the total eligible reimbursements.4.5502.32.090~~

~~On August 16, 2021, the Company received a contract award for a 30-month project with a total budget of $ million from the United States Advanced Battery Consortium (the "USABC grant") as part of a competitively bid project, through which the Company will receive reimbursement for up to $ million of eligible expenditures. The objective of the contract award is for the commercial-scale development and demonstration of an integrated lithium-ion battery recycling system, the production of battery cathode grade metal products, the synthesis of high energy density active cathode material from these recycled battery metals, and the fabrication of large format automotive battery cells from these recycled materials and the testing of these cells against otherwise identical cells made from virgin sourced metals. The Company began receiving funds related to this award during the fiscal year ended June 30, 2024. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $ million, which represents % of the total eligible reimbursements.2.00.50.5100~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY~~
~~Notes to the Condensed Consolidated Financial Statements~~
~~(unaudited)~~

~~On October 21, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a five-year project with a total budget of $ million to design, construct, and commission a first-of-kind lithium hydroxide refinery using Nevada-based claystone as the feedstock to expand domestic manufacturing of battery grade lithium hydroxide for lithium-ion batteries for electric vehicles, with a focus on domestic processing of materials and components that are currently imported from foreign countries. Through this grant award the Company is eligible to receive reimbursement of up to % of eligible expenditures, up to $ million. The prime agreement contract for this grant was issued with a project start date of September 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $ million, which represents % of the total eligible reimbursements.115.55057.73.26~~

~~On November 17, 2022, the U.S. DOE announced that the Company had been selected for award negotiation for a three-year project with a total budget of $20.0million to demonstrate and commercialize next generation techniques for its lithium-ion battery recycling processes to produce low-cost and low-environmental impact domestic battery materials. Through this grant award the Company is eligible to receive reimbursement of up to 50% of eligible expenditures, up to $10.0 million. The prime agreement contract for this grant was issued with a project start date of October 1, 2023. The Company began receiving funds related to this award during the period ending December 31, 2023. As of December 31, 2024, the cumulative funds invoiced for this grant totaled $1.1 million, which represents 11% of the total eligible reimbursements.~~

~~On March 28, 2024, ABTC was selected for a tax credit for up to $ million through the Qualifying Advanced Energy Project Credits program (48C). This tax credit was granted by the U.S. Department of Treasury Internal Revenue Service following a highly competitive technical and economic review process performed by the U.S.DOE, which evaluated the feasibility of applicant facilities to advance America's buildout of globally competitive critical material recycling, processing, and refining infrastructure. This tax credit may be utilized both for the reimbursement of capital expenditures spent to date and also future capital expenditures at ABTC's battery recycling facility in the Tahoe-Reno Industrial Center (TRIC) in Storey County, Nevada. As of December 31, 2024, the Company has incurred qualifying expenditures for this tax credit but will not recognize any amounts until it has reasonable assurance of compliance with the relevant standards.19.5~~

~~Also on March 28, 2024, ABTC was selected for an additional tax credit of up to $ million through the 48C program, which may be used in support of the design and construction of a new commercial battery recycling facility to be located in the United States. As of December 31, 2024, the Company has not incurred any qualifying expenditures towards this tax credit.40.5~~

~~On September 23, 2024, the U.S. DOE announced that the Company had been selected for award negotiations for a highly competitive grant for $ million to be applied towards the construction of a new lithium-ion battery recycling facility. On December 18, 2024, the Company received a contracted grant award for $ million of federal investment by the DOE, with these funds awarded to the Company and its subcontractor Argonne National Laboratory, to support the construction of a new lithium-ion battery recycling facility.150144~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_DisclosureGovernmentGrantsAndTaxCreditAwardsAbstract Namespace Prefix:ABAT_ Data Type:xbrli:stringItemType Balance Type:na Period Type: duration~~

~~- Definition~~

~~Government Grants Awards [Text Block]~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_GovernmentGrantsAwardsTextBlock Namespace Prefix:ABAT_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration XML 38~~

~~R14.htm IDEA: XBRL DOCUMENT~~

~~Derivative Liabilities 6 Months Ended~~
~~Dec. 31, 2024~~

~~Derivative Liabilities Derivative Liabilities~~

~~6. Derivative Liabilities~~

~~During the quarter ended December 31, 2024, the Company's embedded conversion feature on its convertible notes and its outstanding warrants had been treated as derivative liabilities for accounting purposes under ASC 815-40, "Derivatives and Hedging - Contracts in Entity's Own Equity," due to insufficient authorized shares to settle these outstanding equity-linked contracts, while the terms of these instruments still allowed the holders to exercise which would require the Company to net-cash settle the instrument. In such cases, the Company adopted a sequencing approach under ASC 815-40 to determine the classification of its equity-linked financial instruments at issuance and at each subsequent reporting date. Under this sequencing policy, the Company reclassified to liabilities those equity-linked financial instruments with the most recent issuance or modification date. The derivative liabilities were initially recorded at fair value and subsequently re-valued each reporting date, with changes in fair value reported in the condensed consolidated statements of operations. The Company utilized the Black-Scholes option-pricing model to value the derivative liabilities at initial reclassification and subsequent valuation dates, adjusted for instrument-specific terms as applicable.~~

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~~In August 2024, the Company issued common shares and warrants to purchase common shares under private placement subscription agreements. See further discussion at Note 13. As there were insufficient authorized shares available at the time of issuance, the warrants were classified as derivative liabilities, measured at fair value as of issuance, and re-measured to fair value as of September 30, 2024. Of the $1.9 million in proceeds received from the private placement, $0.6 million was received from related parties of the Company, including current employees and an immediate family member of the Chief Executive Officer. The Company recognized common shares and warrants to purchase common shares with a total fair value of $1.4 million, compensation expense of $0.7 million and a loss on private placement of $0.1 million in the condensed consolidated statements of operations. The Company recognized less than a $0.1 million loss on change in fair value of these liability-classified equity-linked financial instruments.~~

~~For the remaining private placement subscription agreements, the Company recognized the fair value of the warrants of $ million and a loss on private placement of $ million as of issuance, and a fair value of $ million as of September 30, 2024, with the loss on change in fair value of less than $ million recorded to change in fair value of liability-classified equity-linked contracts in the condensed consolidated statements of operations. The associated derivative liability was included in long-term liabilities in the condensed consolidated balance sheets. In November 2024, a portion of the private placement subscription agreements were rescinded. Prior to rescission, a gain of $ million was recognized upon revaluation of the warrant liability, reducing the warrant liability from $ million to $ million. A gain of less than $ million was recognized upon extinguishment of the warrant liability at the rescission date. A payable of $ million is included in accounts payable and accrued liabilities on the condensed consolidated balance sheet as of December 31, 2024 for the return of the subscription agreement proceeds to the investors.1.70.61.70.10.31.20.90.10.9~~

~~In September 2024, the Company's convertible notes were amended to increase the conversion rate of the conversion option. See further discussion at Note 11. Upon modification, the Company no longer had sufficient authorized shares to settle all equity-linked contracts including the convertible notes upon a potential conversion and accordingly, the embedded conversion feature was bifurcated from the convertible notes to be accounted for as a derivative liability. The Company calculated a fair value of the bifurcated conversion feature of $ million as of the modification date and a fair value of $ million as of September 30, 2024, with the loss on change in fair value of $ million recorded to change in fair value of liability-classified financial instruments in the condensed consolidated statements of operations. The associated derivative liability is included in long-term liabilities in the condensed consolidated balance sheets.0.70.90.2~~

~~In November 2024, the Company's shareholders approved and adopted an amendment to the articles of incorporation to increase the number of authorized shares of the Company's common stock from 80,000,000 to 250,000,000. Upon the increase, the Company had sufficient authorized shares available to settle all equity-linked contracts including the convertible notes and warrants to purchase common shares included in derivative liabilities. As a result, the Company revalued the bifurcated conversion feature and the warrants to purchase common shares as of the shareholder approval date and reclassified the associated derivative liabilities from long-term liabilities to additional paid-in capital in the condensed consolidated balance sheets. The Company recognized a $ million gain on change in fair value of the derivative liabilities prior to the reclassification to equity from long-term liabilities. The amount reclassed to equity totaled $0.82.1million.~~

~~The table below sets forth the Black-Scholes inputs and assumptions for the Company's valuation and re-valuation of its derivative liabilities for the three months ending December 31:~~

	~~2024~~
~~Weighted average expected term (years)~~	~~- 0.014.67~~
~~Risk-free interest rate~~	~~% - 4.264.69%~~
~~Dividend yield~~	~~0 %~~
~~Volatility~~	~~% - 6.69117.89%~~

~~**AMERICAN BATTERY TECHNOLOGY COMPANY**~~
~~Notes to the Condensed Consolidated Financial Statements~~
~~(unaudited)~~

~~A summary of the activity related to derivative liabilities for the three months ending December 31, 2024, is as follows:~~

	~~Warrant Derivative Liabilities~~	~~Conversion Option Derivative Liability~~	~~Total Derivative Liabilities~~
~~Balance, September 30, 2024~~	~~$ 3,117,647~~	~~$ 939,435~~	~~$ 4,057,082~~
~~Change in fair value~~	~~(639,727)~~	~~(388,365)~~	~~(1,028,092)~~
~~Fair value of extinguishments during the period~~	~~(87,421)~~	~~-~~	~~(87,421)~~
~~Fair value of reclassifications to accounts payable during the period~~	~~(875,000)~~	~~-~~	~~(875,000)~~
~~Fair value of reclassifications to equity during the period~~	~~(1,515,499)~~	~~(551,070)~~	~~(2,066,569)~~
~~Balance, December 31, 2024~~	~~$ -~~	~~$ -~~	~~$ -~~

~~- Definition~~

~~Derivative Liabilities [Text Block]~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_DerivativeLiabilitiesTextBlock Namespace Prefix:ABAT_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_DisclosureDerivativeLiabilitiesAbstract Namespace Prefix:ABAT_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration XML 39~~
~~R15.htm IDEA: XBRL DOCUMENT~~
~~Property, Plant and Equipment6 Months Ended~~
~~Dec. 31, 2024~~
~~Property, Plant and Equipment [Abstract] Property, Plant and Equipment~~
~~7. Property, Plant and Equipment~~

~~The table below presents the property, plant and equipment as of December 31, 2024 and June 30, 2024:~~

	~~December 31, 2024~~	~~June 30, 2024~~
~~Land~~	~~$ 8,860,916~~	~~$ 8,860,916~~
~~Building~~	~~16,633,661~~	~~24,867,784~~
~~Equipment and vehicles~~	~~23,232,967~~	~~14,313,970~~
~~Total property, plant and equipment~~	~~48,727,544~~	~~48,042,670~~
~~Less: accumulated depreciation~~	~~(4,192,864)~~	~~(1,727,704)~~
~~Property, plant and equipment, net~~	~~44,534,680~~	~~$ 46,314,966~~

~~The Company recognized depreciation expense of $ million and $ for the three months ended December 31, 2024 and 2023, respectively. The Company recognized depreciation expense of $ million and $ for the six months ended December 31, 2024 and 2023, respectively.1.244,9082.581,410~~

~~During the fourth quarter of fiscal 2024, the Company approved a plan to sell certain assets comprised primarily of land and a building from its Fernley location. The Company made this decision due to the acquisition of the Peru facility that would accelerate its time to production and commercialization. The assets located at Fernley had a carrying amount of $18.6 million and water rights with a carrying amount of $0.1 million. These assets have been classified as held-for-sale as of June 30, 2024 and are expected to be sold by September 2025. The Company recorded an impairment charge on the assets held-for-sale of $10.3 million for the fiscal year ended June 30, 2024. The fair value of the assets held-for-sale is classified within Level 3 of the fair value hierarchy and was determined based on indicative market listing prices of the assets. As of December 31, 2024, there were no changes to the valuation of assets held-for-sale.~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_PropertyPlantAndEquipmentAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The 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.~~

~~+ References~~

~~Reference 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 40 R16.htm IDEA: XBRL DOCUMENT~~

~~Mining Properties~~ ~~6 Months Ended~~
~~Dec. 31, 2024~~
~~Mining Properties~~ Mining Properties
~~8. Mining Properties~~

~~On July 21, 2022, the Company exercised the option to purchase the rights to unpatented lode claims in Tonopah, Nevada. Since that time, the Company has worked with third parties to conduct drill programs and analysis to verify the grade and continuity of the mining claims. Over 50% of the inferred mineral resources have been upgraded to measured and indicated classifications. The Company is still in the exploration stage and expenses all mineral exploration costs. If the Company identifies proven and probable reserves and develops an economic plan for operating a mine, it will enter the development stage and capitalize future costs until production is established.~~

~~On July 22, 2023, the Company began a third exploration program to advance its Tonopah Flats Lithium Project. This drill program includes core infill and step out drilling to support the evolution of its domestic resource with the goal of upgrading to a 'measured and indicated' resource classification. The Company selected and engaged KB Drilling for the collection of infill and step out samples for this latest drill program, which consists of sample collections from eight additional drill holes and includes feet of total drilling.~~6,500

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~~(unaudited)~~

~~In December 2023, the Company entered into a vacant land offer and acceptance agreement for the Company's acquisition of certain mineral patents totaling $ million which, was capitalized to mining properties.~~0.2

~~On April 24, 2024, the Company announced the completion of the "Amended Resource Estimate and Initial Assessment with Project Economics for the Tonopah Flats Lithium Project, Esmeralda and Nye Counties, Nevada, USA" ("Amended IA") and the publication of the S-K 1300 Technical Report Summary ("TRS") disclosing mineral resources, including an initial economic assessment, for the Tonopah Flats Lithium Project. The TRS was completed by RESPEC Company LLC, a qualified person, in compliance with Item 1300 of Regulation S-K and with an effective date of April 5, 2024.~~

~~On January 21, 2025, the Company commenced a new drill program which is the next step in accelerating the commercialization of the lithium resource is the completion and publication of a prefeasibility study (PFS). A critical operation of the PFS is performing this drill program to provide the geotechnical data to define the structural mine pit shape, to increase the resolution of the 3D resource model, and to add to the understanding of the high-grade continuity within the proposed pit. This drill program also includes core sample collections which will be assayed and characterized to further define the resource to the previously unexplored southwest section of the claim block and to work to increase the size of the overall lithium resource.~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_DisclosureMiningPropertiesAbstract Namespace Prefix:ABAT_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~Mining Properties [Disclosure Text Block]~~

~~+ References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_MiningPropertiesDisclosureTextBlock Namespace Prefix:ABAT_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration XML 41 R17.htm IDEA: XBRL DOCUMENT~~

~~Intangible Assets~~ ~~6 Months Ended~~
~~Dec. 31, 2024~~
~~Goodwill and Intangible Assets Disclosure [Abstract]~~ Intangible Assets
~~9. Intangible Assets~~

~~On September 12, 2023, the Company acquired approximately -acre feet of water rights from the Thomas C. Woodward Living Trust, valued at $ million. The water rights are treated in accordance with ASC 350, “Intangible Assets,” and have an unlimited useful life subject to beneficial use.40.520.1~~

~~The Company’s acquisition of the commercial-scale battery recycling facility at the TRIC included water rights valued at $ million and are described as an eighteen and forty-five one-hundredths () acre-foot/annually portion of the Truckee-Carson Irrigation District. These have an unlimited useful life upon assignment to a property through use of a will-serve, which has no expiration date.0.718.45~~

~~The table below presents total intangible assets at:~~

	~~December 31, 2024~~	~~June 30, 2024~~
~~Water rights~~	~~$ 4,519,038~~	~~$ 4,519,038~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_GoodwillAndIntangibleAssetsDisclosureAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The entire disclosure for all or part of the information related to intangible assets.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/350-30/tableOfContentReference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 4 -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-4Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 350 -SubTopic 30 -Name Accounting Standards Codification -Section 50 -Paragraph 3 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147482665/350-30-50-3Reference 4: 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 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 985 -SubTopic 20 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/985-20/tableOfContent~~

~~+ Details~~

~~Name:us-gaap_IntangibleAssetsDisclosureTextBlock Namespace Prefix:us-gaap_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration~~

~~XML 42 R18.htm IDEA: XBRL DOCUMENT~~

~~Accounts Payable and Accrued Liabilities~~ ~~6 Months Ended~~
~~Dec. 31, 2024~~
~~Payables and Accruals [Abstract]~~ ~~Accounts Payable and Accrued Liabilities~~
~~10. Accounts Payable and Accrued Liabilities~~

~~The table below presents total accounts payable and accrued liabilities at:~~

	~~December 31, 2024~~	~~June 30, 2024~~
~~Trade payables~~	~~$ 2,038,587~~	~~$ 4,255,398~~
~~Accrued fixed assets~~	~~225,104~~	~~996,970~~
~~Accrued expenses~~	~~4,903,723~~	~~2,244,265~~
~~Market agreement settlement~~	~~–~~	~~1,800,000~~
~~Total accounts payable and accrued liabilities~~	~~$7,167,414~~	~~$9,296,633~~

~~On July 3, 2024, the Company and Mercuria Energy America, LLC agreed to resolve their respective disputes related to a Marketing Agreement entered into in May 2023. Under the terms of the Settlement Agreement, the Company agreed to make six monthly payments to Mercuria Energy America, LLC of $0.3million each. Upon the completion of the payments, the parties agreed to release any and all claims, disputes, actions, suits, proceedings, demands and/or liabilities in law and/or equity or otherwise. The total amount of payments due of $1.8 million was accrued as of June 30, 2024. As of December 31, 2024, all amounts have been paid.~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY~~
~~Notes to the Condensed Consolidated Financial Statements~~
~~(unaudited)~~

~~- Definition~~

~~The entire disclosure for accounts payable and accrued liabilities at the end of the reporting period.~~

~~**+ References**~~

~~***Reference 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***~~

~~**- References**~~

~~***No definition available.***~~

~~**+ Details**~~

~~***Name:us-gaap_PayablesAndAccrualsAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration XML 43 R19.htm***~~

~~***IDEA: XBRL DOCUMENT***~~

~~***Notes Payable***~~	~~***6 Months Ended***~~
	~~***Dec. 31, 2024***~~
~~***Debt Disclosure [Abstract]***~~	
~~***Notes Payable***~~	~~***11. Notes Payable***~~

~~***On August 29, 2023, the Company and High Trail (the “Buyers”) entered into a Securities Purchase Agreement (the “Purchase Agreement”), pursuant to which the Company can sell to the Buyers up to $ million of a new series of senior secured convertible notes (the “Notes”), of which $ million was initially received. The Company analyzed the conversion features of the Notes for derivative accounting considerations under ASC 815-15, “Derivatives and Hedging,” and determined a freestanding call option should be bifurcated and separately accounted for as a derivative liability. Accordingly, the derivative liability is carried at fair value at each reporting date with the corresponding gain or loss reflected in earnings in the condensed consolidated statements of operations. See in Note 3. The Company determined the derivative liability to have a fair value of $51.025.0Correction of Previously Issued Consolidated Financial Statements 0.4 million at issuance of the Notes. For the three months ended September 30, 2024, the Company recorded a gain of $0.7 million within the change in fair value of the derivative liability in the condensed consolidated statements of operations. As of September 30, 2024, the fair value of the derivative liability was determined to be nil given the expiration of the freestanding call option on October 1, 2024.***~~

~~The carrying value, net of debt discount and issuance costs, was being accreted over the term of the Notes from date of issuance to date of full repayment, expected to be in October 2024 based on partial redemption payments, using the effective interest rate method.~~

~~***On September 13, 2024, the Notes were amended to allow payment of principal totaling $ million in common shares of the Company in lieu of cash, with the remaining principal due in September 2024 deferred to October 2024. Subsequent to September 30, 2024, further payment on the Notes had been deferred by the Buyers while negotiations on a potential amendment to the Notes are on-going. Total common shares of were issued with a fair market value of $ million. The Notes were also amended to increase the conversion option rate. The Company concluded that the amendment to the Notes was an extinguishment for accounting purposes due to the increase in the conversion option fair value. The Company recognized a $ million loss on extinguishment in the condensed consolidated statement of operations, comprised of the write-off of the remaining debt discount and debt issuance costs of $ million and the excess of fair value of the common shares paid in lieu of cash over the principal owed of $ million.0.6726,2160.70.70.60.1***~~

~~***On November 14, 2024, the Purchase Agreement and Notes were amended to provide for the issuance of a new series of senior secured convertible notes (the “2024 Notes”) in the aggregate principal amount of $ 12.0million, less discount totaling $2.1 million. The amendment also allowed payment of principal of the Notes totaling $1.1 million in common shares of the Company in lieu of cash, with the remaining principal of the Notes of $1.8 million paid with proceeds from issuance of the 2024 Notes. The 2024 Notes bear zero coupon, mature on September 1, 2025, and require $5.0 million in cash to be maintained in a restricted account. The Buyers may request partial redemptions of up to an aggregate of $1.0 million on the 1st of each month beginning on January 1, 2025, with the remaining principal due on the maturity date, or the Buyers may convert the 2024 Notes into shares of common stock of the Company at a conversion rate of 1,333.33 shares of common stock per $1,000 of principal for the first $ 3,000,000of principal, and a conversion rate of 945.0992 shares of common stock per $1,000 of principal for the remaining principal. On December 19, 2024, the 2024 Notes were amended to increase the portion of principal that is subject to the higher conversion rate of shares of commons stock per $ of principal from $ to $.1,333.331,0003,000,0005,000,000The Company analyzed the embedded conversion feature of the 2024 Notes for derivative accounting considerations under ASC 815-15, “Derivatives and Hedging,” and determined that it did not qualify to be bifurcated and accounted for as a derivative liability. For the three months ended December 31, 2024, amortization of the debt discount of the 2024 Notes totaled $0.4 million.***~~

~~***AMERICAN BATTERY TECHNOLOGY COMPANY***~~
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~~***(unaudited)***~~

~~***The Company evaluated the amendment to the Purchase Agreement and concluded it was required to be accounted for as a troubled debt restructuring under ASC 470-60, “Troubled Debt Restructurings by Debtors,” as a concession had been granted to the Company. Per ASC 470-60, the carrying value of the Notes remained the same as before the amendment, reduced only by the fair value of the common shares issued to partially settle the Notes. No gain was recognized as the future undiscounted cash flows of the restructured Notes did not exceed the carrying amount of the Notes, with the effect of the restructuring accounted for prospectively through the revised effective interest rate of %.50.73***~~

~~***The table below presents the net carrying amounts of the 2024 Notes as of:***~~

		~~***December 31, 2024***~~
~~***Principal outstanding***~~	~~***$***~~	~~***12,000,000***~~
~~***Debt discount***~~		~~***(2,243,790)***~~
~~***Amortization of debt discount***~~		~~***409,167***~~
~~***Net carrying value***~~	~~***$***~~	~~***10,165,377***~~

~~The table below presents the maturities of notes payable as of December 31, 2024:~~

~~December 31, 2024~~	~~$~~	~~12,000,000~~
~~Less: unamortized debt discount and issuance costs~~		~~(1,834,623)~~
~~Total notes payable~~	~~$~~	~~10,165,377~~
~~Notes payable, current~~	~~$~~	~~10,165,377~~
~~Notes payable, non-current~~	~~$~~	

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_DebtDisclosureAbstract~~ ~~Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The entire disclosure for long-term debt.~~

~~+ References~~

~~Reference 1: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 470 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/470/tableOfContent~~

~~+ Details~~

~~Name:us-gaap_LongTermDebtTextBlock~~ ~~Namespace Prefix:us-gaap_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type:duration XML 44 R20.htm IDEA: XBRL DOCUMENT~~

~~Leases~~	~~6 Months Ended~~
	~~Dec. 31, 2024~~

~~Leases~~ ~~Leases~~

~~12. Leases~~

~~A lease provides the lessee the right to control the use of an identified asset for a period in exchange for consideration. Operating lease right-of-use assets ("RoU assets") are presented within the asset section of the Company's consolidated balance sheets, while lease liabilities are included within the liability section of the Company's consolidated balance sheets at December 31, 2024 and June 30, 2024.~~

~~RoU assets represent the Company's right to use an underlying asset for the lease term and operating lease liabilities represent the Company's obligation to make lease payments arising from the lease. The Company determines if an arrangement is a lease at inception. RoU assets and liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term. Most operating leases contain renewal options that provide for rent increases based on prevailing market conditions. The terms used to calculate the RoU assets for certain properties include the renewal options that the Company is reasonably certain to exercise.~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY~~
~~Notes to the Condensed Consolidated Financial Statements~~
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~~The discount rate used to determine the commencement date present value of lease payments is the interest rate implicit in the lease, or when that is not readily determinable, the Company estimates a rate of % for the three months ending December 31, 2024 and 2023, based primarily on historical lending agreements. RoU assets include lease payments required to be made prior to commencement and exclude lease incentives. Both RoU assets and the related lease liability exclude variable payments not based on an index or rate, which are treated as period costs. The Company's lease agreements do not contain significant residual value guarantees, restrictions, or covenants.8.0~~

~~The Company occupies office facilities under lease agreements that expire at various dates, many of which do not exceed a year in length. Total operating lease costs for the three months ended December 31, 2024 and 2023, were each approximately $ million. The Company does not have any finance leases as of December 31, 2024 and 2023.0.1~~

~~As of December 31, 2024, current lease liabilities of $ million are included in "Accounts payable and accrued liabilities" on the consolidated balance sheets. The table below presents total operating lease RoU assets and lease liabilities at December 31, 2024 and June 30, 2024:0.1~~

~~Schedule of Operating Lease ROU Assets and Lease Liabilities~~

		~~December 31, 2024~~		~~June 30, 2024~~
~~Operating lease right-of-use asset~~	~~$~~	~~357,431~~	~~$~~	~~42,103~~
~~Operating lease liabilities~~	~~$~~	~~359,015~~	~~$~~	~~54,304~~

~~The table below presents the maturities of operating lease liabilities as of December 31, 2024:~~

~~December 31, 2025~~	~~$~~	~~133,413~~
~~December 31, 2026~~		~~139,011~~
~~December 31, 2027~~		~~132,130~~
~~Total lease payments~~		~~404,554~~
~~Less: discount~~		~~(45,539)~~
~~Total operating lease liabilities~~	~~$~~	~~359,015~~
~~Operating lease liabilities, current~~	~~$~~	~~108,600~~
~~Operating lease liabilities, non-current~~	~~$~~	~~250,416~~

~~The table below presents the weighted average remaining lease term for operating leases and the weighted average discount rate used in calculating operating lease right-of-use asset as of December 31, 2024.~~

~~Weighted average lease term (years)~~	~~2.83~~
~~Weighted average discount rate~~	

~~8.00%~~

~~AMERICAN BATTERY TECHNOLOGY COMPANY~~
~~Notes to the Condensed Consolidated Financial Statements~~
~~(unaudited)~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:ABAT_DisclosureLeasesAbstract~~ ~~Namespace Prefix:ABAT_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability.~~

~~+ References~~

~~***Reference 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***~~

~~***45 R21.htm IDEA: XBRL DOCUMENT***~~

~~***Stockholders' Equity***~~ ~~***6 Months Ended***~~
~~***Dec. 31, 2024***~~

~~***Equity [Abstract]***~~ ~~***Stockholders' Equity***~~

~~***13. Stockholders' Equity***~~

~~*Preferred Stock*~~

~~The Company's amended and restated articles of incorporation authorize shares of preferred stock and provide that shares of preferred stock may be issued from time to time in one or more series. The Company's board of directors (the "Board of Directors") is authorized to fix the voting rights, if any, designations, powers, preferences, the relative, participating, optional or other special rights and any qualifications, limitations and restrictions thereof, applicable to the shares of each series. The Board of Directors is able to, without stockholder approval, issue shares of preferred stock with voting and other rights that could adversely affect the voting power and other rights of the holders of the common stock and could have anti-takeover effects. The ability of the Board of Directors to issue shares of preferred stock without stockholder approval could have the effect of delaying, deferring or preventing a change of control of the Company or the removal of existing management.~~

~~***To date, the Company has authorized a total of shares of preferred stock. Of this amount the Company has designated a total of shares to four classes of preferred stock, Series A Preferred Stock, Series B Preferred Stock, Series C Preferred Stock and Series D Preferred Stock. As of December 31, 2024 and June 30, 2024, there were and shares of Series D Preferred Stock issued and outstanding. A description of each class of preferred stock is listed below.1,666,667233,3345nil***~~

~~***On September 16, 2024, the Company entered into a Subscription and Investment Representation Agreement with Ryan Melsert, its Chief Executive Officer, who is an accredited investor, pursuant to which the Company agreed to issue and sell five () shares of the Company's Series D Preferred Stock, par value $ per share, to Mr. Melsert for an aggregate purchase price of $, or $ per share of Series D Preferred Stock. The sale closed on September 16, 2024. The Series D Preferred Stock is not convertible into, or exchangeable for, shares of any other class or series of stock or other securities of the Company. The Series D Preferred Stock has no rights with respect to distribution of assets of the Company, including upon a liquidation, bankruptcy, reorganization, merger, acquisition, sale, dissolution or winding up of the Company. The Series D Preferred Stock was voted, without action by the holder, on such proposal in the same proportion, and in the same manner, as shares of common stock are voted by the shareholders and in no other manner. The Series D Preferred Stock has no other voting rights except as otherwise authorized by the Nevada Revised Statutes.50.00110020Each share of Series D Preferred Stock had 12,000,000 votes and voted together with the outstanding shares of the Company's common stock as a single class exclusively with respect to a proposal to amend the Company's articles of incorporation, as amended, to increase the number of authorized shares of common stock of the Company.***~~

~~***The Series D Preferred Stock shall be redeemed in whole, but not in part, at any time (i) if such redemption is ordered by the Board of Directors in its sole discretion or (ii) automatically upon the effectiveness of the amendment to the articles of incorporation, as amended, implementing an increase in the number of authorized shares of common stock of the Company, which occurred on November 14, 2024. Upon such redemption, the holder of the Series D Preferred Stock received consideration of $. Accordingly, as the Series D Preferred Stock is subject to possible redemption, it is presented as temporary equity, outside of stockholders' equity, at its redemption amount on the condensed consolidated balance sheets.100***~~

~~***Subsequent to the Company's annual meeting on November 13, 2024, the Company redeemed the Series D Preferred Stock for $.100***~~

~~*Series A Preferred Stock*~~

~~***The Company has shares of Series A Preferred Stock authorized with a par value of $ per share. The Company had shares of Series A Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024.33,3340.001nil***~~

~~*Series B Preferred Stock*~~

~~***The Company has shares of Series B Preferred Stock authorized with a par value of $ per share. The Company had shares of Series B Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024.133,33410.00nil***~~

~~*Series C Preferred Stock*~~

~~***The Company has shares of Series C Preferred Stock authorized with a par value of $ per share. The Company had shares of Series C Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024.66,66710.00nil***~~

~~*Series D Preferred Stock*~~

~~***The Company has shares of Series D Preferred Stock authorized with a par value of $ per share. The Company had shares of Series D Preferred Stock issued and outstanding on December 31, 2024 and June 30, 2024.50.001nil***~~

~~*Common Stock*~~

~~***In November 2024, the Company's shareholders approved and adopted an amendment to the articles of incorporation to increase the number of authorized shares of the Company's common stock from to . As of December 31, 2024, the Company has shares of common stock authorized, with a par value of $ per share.80,000,000250,000,000250,000,0000.001***~~

~~***AMERICAN BATTERY TECHNOLOGY COMPANY***~~
~~***Notes to the Condensed Consolidated Financial Statements***~~
~~***(unaudited)***~~

~~*Six months ended December 31, 2024:*~~

~~***During the period, the Company issued common shares upon vesting of share-based awards.1,426,620***~~

~~On July 22, 2024, the Board of Directors authorized and approved to extend the expiration date to April 30, 2025 for certain warrants with an exercise price of $ issued in connection with a previous equity offering which were previously scheduled to expire on October 31, 2024. Of the warrants, warrants are held by Ryan Melsert, Chief Executive Officer. The modification of the warrants resulted in incremental fair value of $ million as of the modification date, of which less than $ million was recognized as stock-based compensation expense for those warrants held by the Chief Executive Officer and the remainder as a deemed dividend per the requirements of ASC 815-40, "Derivatives and Hedging – Contracts in Entity's Own Equity." The Company utilized a Black-Scholes option-pricing model to determine the incremental fair value with assumptions including volatility of % and a risk-free rate of %.~~

~~***600,0001.125600,000200,0000.10.1100.475.06***~~

~~***On August 1, 2024, the Company agreed to sell in a private placement 53 Group A Units (defined below) to several accredited investors and 23 Group B Units to the Company's new Chief Operating Officer, to an immediate family member of the Chief Executive Officer, and to two current employees, a portion of which was rescinded on November 12, 2024 (see Note 6), resulting in the sale of a total of only 18 Group A Units and 23 Group B Units in such private placement. Each "Group A Unit" consists of shares of Common Stock, Series A warrants with a five-year term to purchase Common Stock ("Series A Warrants") and Series B Warrants with an 18-month term to purchase Common Stock (collectively with the Series A Warrants, the "Warrants") with a purchase price of $ per Unit; each "Group B Unit" consists of shares of Common Stock and Series A Warrants with a five-year term and a purchase price of U.S. $ per Unit. The Company received an initial payment of approximately $ million but after the recission retained only an aggregate purchase price of $ million.25,00025,00025,00019,53139,06225,0001.91.0***~~

~~Upon issuance of the common stock and warrants in the private placement, the Company concluded that it had insufficient authorized shares to settle the warrants sold as well as certain previously issued warrants (see Note 6). As the warrants were therefore accounted for as derivative liabilities and remeasured at fair value each reporting period (see Note 6), the Company allocated the proceeds first to the warrants with any residual proceeds allocated to the common shares. A day-one loss is recognized to the extent the recognized fair value of common shares and warrants exceeds the proceeds received.~~

~~***During the six months ended December 31, 2024, the Company issued common shares to the Note holders pursuant to the debt conversion option in lieu of cash payment of $ million (see Note 11). The fair value of the common shares issued of $ million was recorded in additional paid-in capital for this transaction.1,936,5761.61.9***~~

~~***During the six months ended December 31, 2024, the Company recognized stock-based compensation expense of $ million, which was an increase to additional paid-in capital of $ million and an increase to the equity compensation liability of less than $ million. Stock-based compensation expense also included $ million related to the excess fair value related to warrants issued to the insiders and the incremental fair value from modification of certain warrants discussed above.9.58.80.10.7***~~

~~***On November 13, 2024, the Company's shareholders approved the Company's 2024 Employee Stock Purchase Plan (the "2024 ESPP"). The 2024 ESPP provides the Company's employees with the ability to contribute a portion of their earnings to purchase the Company's shares of common stock. Pursuant to the terms of the 2024 ESPP, the Company's executive officers and all of its other employees will be allowed to participate in the 2024 ESPP. During the period, employees purchased shares under the 2024 ESPP with an aggregate purchase price of $ million.177,4400.1***~~

~~***On December 23, 2024, the Company entered into a securities purchase agreement with two institutional investors including the Buyers (see Note 11) for the purchase and sale of (i) shares its common stock, and (ii) warrants exercisable for up to an aggregate of shares of common stock for a combined offering price of $ per share and accompanying warrant. The warrants have an exercise price of $ per share, are 5,000,0005,000,0001.001.10exercisable immediately from the date of issuance and expire five years from the initial exercise date.***~~

~~***On December 27, 2024, the Company entered into another securities purchase agreement with two institutional investors including the Buyers for the purchase and sale of (i) shares of its common stock, and (ii) warrants exercisable for up to an aggregate of shares of common stock for a combined offering price of $ per share and accompanying warrant. The warrants have an exercise price of $***~~

~~per share, will be The Company received total proceeds from both December 2024 securities purchase agreements of $ million, net of offering costs of $ million, which were recorded to additional paid-in capital as the Company determined the warrants met the equity classification criteria.3,773,5863,773,5862.652.80exercisable immediately from the date of issuance and will expire five years from the initial exercise date.15.01.1~~

~~The Company had the following potentially dilutive shares outstanding as of December 31:~~

	~~2024~~	~~2023~~
~~Convertible notes~~	~~13,282,344~~	~~1,942,363~~
~~Warrants~~	~~16,138,037~~	~~5,731,666~~
~~Share awards outstanding~~	~~8,052,791~~	~~2,871,252~~
~~Total potentially dilutive~~	~~37,473,172~~	~~10,545,281~~

~~- References~~

~~No definition available.~~

~~+ Details~~

~~Name:us-gaap_EquityAbstract Namespace Prefix:us-gaap_ Data Type:xbrli:stringItemType Balance Type:na Period Type:duration~~

~~- Definition~~

~~The entire disclosure for equity.~~

~~+ References~~

~~Reference 1: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 2: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (h) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 3: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 4: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 5: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 235 -Name Accounting Standards Codification -Section 50 -Paragraph 2 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147477968/946-235-50-2Reference 6: http://www.xbrl.org/2003/role/disclosureRef -Topic 946 -SubTopic 505 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Publisher FASB -URI https://asc.fasb.org/1943274/2147478448/946-505-50-6Reference 7: http://www.xbrl.org/2003/role/disclosureRef -Topic 815 -SubTopic 40 -Name Accounting Standards Codification -Section 50 -Paragraph 6 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480237/815-40-50-6Reference 8: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.3-04) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480008/505-10-S99-1Reference 9: http://www.xbrl.org/2003/role/disclosureRef -Topic 235 -SubTopic 10 -Name Accounting Standards Codification -Section S99 -Paragraph 1 -Subparagraph (SX 210.4-08(e)(1)) -Publisher FASB -URI https://asc.fasb.org/1943274/2147480678/235-10-S99-1Reference 10: http://fasb.org/us-gaap/role/ref/legacyRef -Topic 505 -Name Accounting Standards Codification -Publisher FASB -URI https://asc.fasb.org/505/tableOfContentReference 11: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 12: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (g) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 13: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 13 -Subparagraph (i) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-13Reference 14: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 15: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 14 -Subparagraph (c) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-14Reference 16: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 16 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-16Reference 17: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (a) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 18: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (b) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18Reference 19: http://www.xbrl.org/2003/role/disclosureRef -Topic 505 -SubTopic 10 -Name Accounting Standards Codification -Section 50 -Paragraph 18 -Subparagraph (d) -Publisher FASB -URI https://asc.fasb.org/1943274/2147481112/505-10-50-18~~

~~***+ Details***~~

~~***Name:us-gaap_StockholdersEquityNoteDisclosureTextBlock Namespace Prefix:us-gaap_ Data Type:dtr-types:textBlockItemType Balance Type:na Period Type: duration XML 46 R22.htm IDEA: XBRL DOCUMENT***~~