

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended **September 30, 2024**

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number **001-04321**

AMPRIUS TECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

1180 Page Avenue, Fremont, California

(Address of Principal Executive Offices)

98-1591811

(I.R.S. Employer Identification No.)

94538

(Zip Code)

(800) 425-8803

Registrant's telephone number, including area code

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common stock, \$0.0001 par value	AMPX	The New York Stock Exchange
Redeemable warrants, each exercisable for one share of common stock at an exercise price of \$11.50	AMPX.W	The New York Stock Exchange

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports); and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

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.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

As of October 31, 2024, the registrant had 105,838,789 shares of common stock, par value \$0.0001, outstanding.

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Cautionary Note Regarding Forward-Looking Statements

Certain statements in this Quarterly Report on Form 10-Q of Amprius Technologies, Inc. (hereafter referred to as “Amprius,” the “Company,” “we,” “us,” or “our”) and in documents incorporated herein by reference may constitute “forward-looking statements” for purposes of the federal securities laws. Such forward-looking statements include, but are not limited to, statements regarding our expectations, beliefs, intentions or strategies regarding the future. In addition, any statements that refer to forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intends,” “may,” “might,” “plan,” “possible,” “potential,” “predict,” “project,” “should,” “will,” “would” and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. Forward-looking statements in this Quarterly Report on Form 10-Q may include, for example, statements about:

- our financial and business performance, including financial and business metrics;
- changes in our strategy, future operations, financial position, estimated revenues and losses, projected costs, prospects and plans;
- our ability to develop a high-volume manufacturing line and otherwise scale in a cost-effective manner;
- our ability to add manufacturing capacity and the costs and timing to add such capacity;
- the expected addressable market for our products;
- developments relating to our competitors and industry;
- our expectations regarding our ability to obtain and maintain intellectual property protection and not infringe on the rights of others;
- our future capital requirements and sources and uses of cash;
- our ability to obtain funding for our operations; and
- our business, expansion plans and opportunities.

These forward-looking statements are based on information available as of the date of this Quarterly Report on Form 10-Q, including current expectations, forecasts and assumptions, and involve a number of judgments, risks and uncertainties. Accordingly, forward-looking statements should not be relied upon as representing our views as of any subsequent date, and we do not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date they were made, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws.

In addition, statements that “we believe” and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this Quarterly Report on Form 10-Q, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and our statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

As a result of a number of known and unknown risks and uncertainties, our actual results or performance may be materially different from those expressed or implied by these forward-looking statements. Some factors that could cause actual results to differ include:

- our ability to execute our business model, including scaling production and increasing the addressable market for our products and services;
- our ability to raise capital;
- the outcome of any legal proceedings that may be instituted against us;
- the ability to maintain the listing of our securities on the New York Stock Exchange (the “NYSE”);
- the possibility that we may be adversely affected by other economic, business or competitive factors, including supply chain interruptions and developments in alternative technologies, and may not be able to manage other risks and uncertainties;
- changes in applicable laws or regulations;

- the effect of macroeconomic factors, such as abrupt political change, terrorist activity, armed conflict, public health emergencies and the U.S. trade environment, on our business; and
- other risks and uncertainties described in this Quarterly Report on Form 10-Q, including risk factors discussed in Part II, Item 1A under the heading, “Risk Factors.”

Part I - Financial Information**Item 1. Financial Statements**

AMPRIUS TECHNOLOGIES, INC.
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

<i>(In thousands, except share and par value data)</i>	September 30, 2024	December 31, 2023
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 35,045	\$ 45,761
Accounts receivable, net	4,590	1,265
Inventories	2,664	730
Deferred costs	—	779
Prepaid expenses and other current assets	2,641	1,987
Total current assets	44,940	50,522
Non-current assets:		
Property, plant and equipment, net	23,968	21,760
Operating lease right-of-use assets, net	33,829	35,149
Other assets	1,470	305
Total assets	\$ 104,207	\$ 107,736
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	\$ 4,934	\$ 3,341
Accrued and other current liabilities	4,196	5,594
Deferred revenue	1,817	3,434
Operating lease liabilities	2,053	1,088
Total current liabilities	13,000	13,457
Non-current liabilities:		
Operating lease liabilities	35,208	34,479
Total liabilities	48,208	47,936
Commitments and contingencies (Note 10)		
Stockholders' equity:		
Preferred stock; \$0.0001 par value; 50,000,000 shares authorized; no shares issued and outstanding	—	—
Common stock; \$0.0001 par value; 950,000,000 shares authorized; 111,338,789 and 88,869,463 shares issued and outstanding at September 30, 2024 and December 31, 2023, respectively	11	9
Additional paid-in capital	218,904	189,454
Accumulated deficit	(162,916)	(129,663)
Total stockholders' equity	55,999	59,800
Total liabilities and stockholders' equity	\$ 104,207	\$ 107,736

The accompanying notes are an integral part of these condensed consolidated financial statements.

AMPRIUS TECHNOLOGIES, INC.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

<i>(In thousands, except share and per share data)</i>	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
Revenue	\$ 7,855	\$ 2,798	\$ 13,536	\$ 5,109
Cost of revenue	12,956	7,046	29,613	15,906
Gross loss	(5,101)	(4,248)	(16,077)	(10,797)
Operating expenses:				
Research and development	1,817	815	5,060	2,387
Selling, general and administrative	4,335	4,068	13,367	15,781
Total operating expenses	6,152	4,883	18,427	18,168
Loss from operations	(11,253)	(9,131)	(34,504)	(28,965)
Other income, net	403	639	1,251	1,923
Net loss	\$ (10,850)	\$ (8,492)	\$ (33,253)	\$ (27,042)
Weighted-average common shares outstanding:				
Basic and diluted	110,408,303	86,354,067	99,202,799	85,411,590
Net loss per share of common stock:				
Basic and diluted	\$ (0.10)	\$ (0.10)	\$ (0.34)	\$ (0.32)

The accompanying notes are an integral part of these condensed consolidated financial statements.

AMPRIUS TECHNOLOGIES, INC.
CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
(Unaudited)

<i>(In thousands, except share data)</i>	Nine months ended September 30, 2024				
	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount			
Balance as of December 31, 2023	88,869,463	\$ 9	\$ 189,454	\$ (129,663)	\$ 59,800
Issuance of common stock in connection with the At Market Issuance Sales Agreement, net of issuance cost	2,853,266	—	8,746	—	8,746
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	551,436	—	28	—	28
Stock-based compensation	—	—	1,247	—	1,247
Net loss	—	—	—	(9,886)	(9,886)
Balance as of March 31, 2024	92,274,165	9	199,475	(139,549)	59,935
Issuance of common stock in connection with the At Market Issuance Sales Agreement, net of issuance cost	1,043,053	—	2,074	—	2,074
Issuance of common stock upon exercise of stock warrants, net of issuance cost	13,075,664	2	13,626	—	13,628
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	1,585,405	—	68	—	68
Stock-based compensation	—	—	1,941	—	1,941
Net loss	—	—	—	(12,517)	(12,517)
Balance as of June 30, 2024	107,978,287	11	217,184	(152,066)	65,129
Issuance of common stock upon exchange of stock warrants for shares of common stock	3,073,200	—	—	—	—
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	287,302	—	—	—	—
Stock-based compensation	—	—	1,720	—	1,720
Net loss	—	—	—	(10,850)	(10,850)
Balance as of September 30, 2024	111,338,789	\$ 11	\$ 218,904	\$ (162,916)	\$ 55,999

The accompanying notes are an integral part of these condensed consolidated financial statements.

<i>(In thousands, except share data)</i>	Nine months ended September 30, 2023				
	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount			
Balance as of December 31, 2022	84,610,114	\$ 8	\$ 165,912	\$ (92,887)	\$ 73,033
Issuance of common stock in connection with the Stock Purchase Agreement, net of issuance cost	331,351	—	2,376	—	2,376
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	30,000	—	2	—	2
Stock-based compensation	—	—	726	—	726
Net loss	—	—	—	(9,102)	(9,102)
Balance as of March 31, 2023	84,971,465	8	169,016	(101,989)	67,035
Issuance of common stock in connection with the Stock Purchase Agreement, net of issuance cost	875,772	1	8,176	—	8,177
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	146,223	—	1	—	1
Exercise of stock warrants	100	—	1	—	1
Stock-based compensation	—	—	924	—	924
Net loss	—	—	—	(9,448)	(9,448)
Balance as of June 30, 2023	85,993,560	9	178,118	(111,437)	66,690
Issuance of common stock in connection with the Stock Purchase Agreement, net of issuance cost	1,269,441	—	6,331	—	6,331
Issuance of common stock upon exercise of stock options and vesting of restricted stock units	379,243	—	112	—	112
Stock-based compensation	—	—	1,115	—	1,115
Net loss	—	—	—	(8,492)	(8,492)
Balance as of September 30, 2023	87,642,244	\$ 9	\$ 185,676	\$ (119,929)	\$ 65,756

The accompanying notes are an integral part of these condensed consolidated financial statements.

AMPRIUS TECHNOLOGIES, INC.
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

<i>(In thousands)</i>	Nine months ended September 30,	
	2024	2023
Cash flows from operating activities:		
Net loss	\$ (33,253)	\$ (27,042)
Adjustments to reconcile net loss to net cash used in operating activities:		
Stock-based compensation	4,908	2,765
Depreciation and amortization	2,917	1,318
Amortization of deferred costs	1,246	1,070
Non-cash operating lease expense	3,857	811
Changes in operating assets and liabilities:		
Accounts receivable	(3,325)	(1,201)
Inventories	(1,934)	13
Deferred costs	(467)	(1,692)
Prepaid expenses and other current assets	(654)	101
Other assets	(6)	(9)
Accounts payable	3,287	1,226
Accrued and other current liabilities	(1,383)	2,308
Deferred revenue	(1,617)	306
Operating lease liabilities	(843)	(727)
Net cash used in operating activities	(27,267)	(20,753)
Cash flows from investing activities:		
Purchase of property, plant and equipment	(6,834)	(11,799)
Net cash used in investing activities	(6,834)	(11,799)
Cash flows from financing activities:		
Proceeds from issuance of common stock upon exercise of stock warrants	14,384	1
Proceeds from issuance of common stock in connection with the At Market Issuance Sales Agreement	10,861	—
Proceeds from issuance of common stock in connection with the Stock Purchase Agreement	—	16,542
Payment of equity financing costs	(756)	(406)
Proceeds from exercise of stock options	96	115
Net cash provided by financing activities	24,585	16,252
Net decrease in cash, cash equivalents and restricted cash equivalents	(9,516)	(16,300)
Cash, cash equivalents and restricted cash equivalents, beginning of period	45,817	69,752
Cash, cash equivalents and restricted cash equivalents, end of period	\$ 36,301	\$ 53,452
Reconciliation of cash, cash equivalents and restricted cash equivalents shown on the condensed consolidated balance sheets:		
Cash and cash equivalents	\$ 35,045	\$ 53,396
Restricted cash equivalents included in other assets	1,256	56
Total cash, cash equivalents and restricted cash equivalents	\$ 36,301	\$ 53,452
Supplemental non-cash investing and financing activities:		
Unpaid purchases of property, plant and equipment	\$ 155	\$ 2,039
Increase in fair value of modified stock warrants	\$ 727	\$ —
Unpaid financing costs from the issuance of shares of common stock	\$ —	\$ 263

The accompanying notes are an integral part of these condensed consolidated financial statements.

AMPRIUS TECHNOLOGIES, INC.
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

Note 1. Nature of Operations and Organization

Nature of Operations

Amprius Technologies, Inc. (hereafter referred to as the “Company,” “we,” “us,” or “our”) develops, manufactures and markets lithium-ion batteries for mobility applications, including the aviation, electric vehicle (“EV”) and light electric vehicle (“LEV”) industries. We have been in commercial battery production since 2018 and our disruptive silicon anode technology is intended to enable batteries with higher energy density, higher power density and fast charging capabilities over a wide range of operating temperatures. Our headquarters is located in Fremont, California.

Liquidity and Capital Resources

As of September 30, 2024, we had cash and cash equivalents of \$35.0 million. We believe that our cash and cash equivalents will be sufficient to fund our obligations over twelve months from the date these condensed consolidated financial statements are issued. In addition, we may receive additional funds from the issuance and sale of our shares of our common stock under the At Market Issuance Sales Agreement (the “Sales Agreement”), which we entered into with B. Riley Securities, Inc., Cantor Fitzgerald & Co. and H.C. Wainwright & Co., LLC, as sales agents (the “Sales Agents”) on October 2, 2023. Under the Sales Agreement, we may offer and sell, from time to time, shares of our common stock for an aggregate offering price of not more than \$100.0 million. During the nine months ended September 30, 2024 and from the date of the Sales Agreement through September 30, 2024, we sold shares of our common stock under the Sales Agreement resulting in aggregate net proceeds of approximately \$10.9 million and \$11.2 million, respectively. We may also receive additional funds if our stock warrants are exercised for cash. During the nine months ended September 30, 2024, we received a total of \$13.6 million, after deducting stock issuance costs, from the cash exercise of our stock warrants at a temporarily reduced exercise price of \$1.10 per warrant.

Since our inception, we have incurred recurring losses and negative cash flows from operations. During the three and nine months ended September 30, 2024, we incurred a net loss of \$10.9 million and \$33.3 million, respectively, and at September 30, 2024, our accumulated deficit was \$162.9 million. We expect to incur additional losses in the future as we scale our business and increase our operating expenditures, including our research and development spend. We expect to raise additional funds in order to meet our future operating and capital expenditure requirements, and we may be unable to raise additional funds or enter into such other agreements when needed on favorable terms or at all. If sufficient funding is not raised, we may need to reduce our spending activities, which may negatively affect our ability to achieve our operating goals. To the extent that we raise additional funds by issuing equity securities, our stockholders may experience additional dilution.

Other Risks and Uncertainties

We face risks related to abrupt political change, terrorist activity, and armed conflict such as the military conflicts between Russia and Ukraine and in the Middle East. These military conflicts have led to volatility in the global economy, and may contribute to inflation, volatility in the credit and capital markets, and interruption in the global supply chain. Although these military conflicts did not have an adverse impact on us to-date, the future outcome of such conflicts is highly unpredictable and uncertain and may adversely affect our future financial condition, results of operations and cash flows.

The COVID-19 pandemic was unprecedented and resulted in significant national and global economic disruption. The extent to which public health emergencies such as the COVID-19 pandemic may impact our business, financial condition, prospects and results of operations is highly uncertain and cannot be predicted.

Note 2. Summary of Significant Accounting Policies

Basis of Presentation and Principles of Consolidation

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”). All intercompany accounts and transactions have been eliminated.

The significant accounting policies described below, together with Note 1 and other notes that follow, are an integral part of the condensed consolidated financial statements.

Unaudited Interim Condensed Consolidated Financial Statements

The condensed consolidated balance sheet as of December 31, 2023, which has been derived from our audited consolidated financial statements as filed in our Annual Report on Form 10-K with the Securities and Exchange Commission (the “SEC”) on March 28, 2024, and the unaudited interim condensed consolidated financial statements have been prepared in accordance with U.S. GAAP and applicable rules and regulations of the SEC regarding interim financial reporting. Any reference in these notes to applicable accounting guidance is meant to refer to the authoritative U.S. GAAP included in the Accounting Standards Codification (“ASC”) and Accounting Standards Updates (“ASU”) issued by the Financial Accounting Standards Board (“FASB”). The condensed consolidated financial statements have been prepared on a basis consistent with the audited financial statements. In management’s opinion, all adjustments made were normal or recurring in nature and necessary for the fair statement of our financial position as of September 30, 2024, our results of operations during the three and nine months ended September 30, 2024 and 2023, and our cash flows during the nine months ended September 30, 2024 and 2023. The financial data and other financial information disclosed in the notes to these condensed consolidated financial statements are also unaudited. The results of operations during the three and nine months ended September 30, 2024 are not necessarily indicative of the results to be expected for the full fiscal year or any other period.

Certain information and note disclosures normally included in annual consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to those rules and regulations, although we believe that the disclosures made are adequate to make the information presented not misleading.

Emerging Growth Company

We are an emerging growth company as defined in the Jumpstart Our Business Startups Act of 2012 (the “JOBS Act”), and we may take advantage of certain exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies. Furthermore, the JOBS Act exempts an emerging growth company from being required to comply with new or revised accounting standards until private companies are required to comply with such standards. The JOBS Act provides that an emerging growth company can elect to opt out of the extended transition period and comply with the requirements that apply to non-emerging growth companies but any such election to opt out is irrevocable. We have elected to not opt out of such extended transition period. This means that when a standard is issued or revised and it has different application dates for public or private companies, we, as an emerging growth company, can adopt the new or revised standard at the time private companies adopt such new or revised standard unless we are no longer deemed an emerging growth company. As a result, the accompanying condensed consolidated financial statements may not be comparable to companies that comply with the new or revised accounting pronouncements as of public company effective dates.

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. These estimates are based on current facts, historical experience and various other factors believed to be reasonable under the circumstances; the results of which form the basis for making judgements that are not readily apparent from other sources. Actual results could materially differ from management estimates using different assumptions or under different conditions.

Our significant accounting estimates include useful lives of property, plant and equipment; valuation of deferred taxes; lower of cost or net realizable adjustment of inventory; incremental borrowing rate used in calculating lease obligations and right-of-use assets; and certain inputs used to measure the fair value of stock option grants using the Black-Scholes option-pricing model.

Fair Value Measurements

We had money market funds totaling \$22.9 million and \$36.7 million as of September 30, 2024 and December 31, 2023, respectively, which were measured at Level 1 fair value based on the active market price of the instruments and included in cash and cash equivalents and in other assets in the accompanying condensed consolidated balance sheets.

We did not have assets or liabilities measured at fair value on a recurring basis using Level 2 or Level 3 inputs as of September 30, 2024 and December 31, 2023.

There were no transfers of financial instruments between Level 1, Level 2 and Level 3 during the three and nine months ended September 30, 2024 and 2023.

Restricted Cash Equivalents

Restricted cash equivalents pertain to the amount of cash deposits required by our lessors to satisfy letter of credit requirements under our lease agreements. Restricted cash equivalents, which are included in other assets in the accompanying condensed consolidated balance sheets, were \$1.3 million and \$56 thousand as of September 30, 2024 and December 31, 2023, respectively.

Concentration of Credit Risk

Financial instruments that potentially subject us to concentration of credit risk include cash, cash equivalents, restricted cash equivalents and accounts receivable. Through September 30, 2024, we have not experienced losses on our financial assets held in financial institutions. Our allowance for expected credit losses on our accounts receivable was de minimis as of September 30, 2024 and none as of December 31, 2023.

Many of our customers are in the aviation industry though our batteries have applications across all segments of electric mobility. An adverse impact on the aviation industry may affect our relationship with our customers, which could affect our future financial condition, results of operations and cash flows. As of September 30, 2024 and December 31, 2023, there were three customers that represented approximately 49% and 80%, respectively, of our total accounts receivable. During the three months ended September 30, 2024, there were four customers that individually represented 20%, 16%, 13% and 10% of our revenue compared to four customers that individually represented 40%, 22%, 15% and 12% of our revenue during the three months ended September 30, 2023. During the nine months ended September 30, 2024, there were three customers that individually represented 14%, 12% and 11% of our revenue compared to four customers that individually represented 32%, 14%, 13% and 12% of our revenue during the nine months ended September 30, 2023.

Segment Reporting

We have determined that the Chief Executive Officer is our Chief Operating Decision Maker (“CODM”). The CODM reviews financial information presented on an aggregate basis for the purposes of assessing our performance and making decisions on how to allocate resources. Accordingly, we have determined that we operate in a single operating and reportable segment. All of our revenues are geographically earned in the United States and our property, plant and equipment are located in the United States.

Significant Accounting Policies

As of September 30, 2024, there have been no changes to our significant accounting policies described in the Annual Report on Form 10-K for the year ended December 31, 2023.

Recent Accounting Pronouncements Not Yet Adopted

In November 2024, the FASB issued ASU 2024-03, *Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures (Subtopic 220-40)*. This ASU requires entities to disclose, in the notes to the financial statements, (i) amounts of (a) purchases of inventory, (b) employee compensation and (c) depreciation; (ii) include certain amounts that are already required to be disclosed under current U.S. GAAP in the same disclosure as the other disaggregation requirements; (iii) a qualitative description of the amounts remaining in relevant expense captions that are not separately disaggregated quantitatively; and (iv) the total amount of selling expenses and, in annual reporting periods, a definition of selling expenses. This ASU, which is effective starting on our annual reporting for the year ending December 31, 2027 and interim reporting periods beginning January 1, 2028, is required to be adopted either (i) prospectively to financial statements issued for reporting periods after the effective date of this ASU or (ii) retrospectively to any or all prior periods presented in the financial statements. Early adoption is permitted. We are currently evaluating this ASU. We believe that the impact of the additional required disclosures will enhance our current financial statement disclosure.

In December 2023, the FASB issued ASU 2023-09, *Income Taxes (Topic 740): Improvements to Income Tax Disclosures*. This ASU requires entities to disclose, among others, (i) specific categories in the rate reconciliation table, (ii) additional information for reconciling items that meet a quantitative threshold and (iii) the amount of income taxes paid on

a disaggregated level. This ASU is required to be adopted on a prospective basis. As an emerging growth company, this ASU is effective starting on our annual reporting for the year ending December 31, 2026. Early adoption is permitted. We are currently evaluating this ASU. We believe that the impact of the additional required disclosures will enhance our current financial statement disclosure.

In November 2023, the FASB issued ASU 2023-07, *Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures*. This ASU requires entities to disclose, among others, (i) significant segment expenses that are regularly provided to the CODM for measuring segment profit or loss, (ii) amounts for other significant items by reportable segment and (iii) an explanation of how the CODM uses the reported measures of segment profit or loss in assessing segment performance and deciding resource allocation. This ASU is required to be adopted on a retrospective basis starting on our annual reporting for the year ending December 31, 2024. Early adoption is permitted. We are currently evaluating this ASU. We believe that the impact of the additional required disclosures will enhance our financial statement disclosure.

Note 3. Revenue

Disaggregation of Revenue

We disaggregate our revenue from customers by the type of arrangement, primarily from the sale of battery products and from providing customization design services, as this depicts how the nature, amount, timing, and uncertainty of our revenue and cash flows are affected by economic factors. The table below shows the composition of revenue from customers, as disaggregated by type of arrangement in accordance with Topic 606, and other revenue, which consisted of government grants that were accounted for following the accounting standards from International Accounting Standards 20, *Accounting for Government Grants and Disclosure of Government Assistance* (in thousands).

	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
Revenue from customers:				
Sale of battery products	\$ 6,055	\$ 2,194	\$ 11,736	\$ 3,956
Customization design services	1,500	604	1,500	891
Total revenue from customers	7,555	2,798	13,236	4,847
Other revenue – government grants	300	—	300	262
Total revenue	\$ 7,855	\$ 2,798	\$ 13,536	\$ 5,109

Revenue from the sale of battery products also includes bill-and-hold arrangements, which were \$0.6 million and \$1.4 million during the three and nine months ended September 30, 2024, respectively, and \$0.3 million and \$0.7 million during the three and nine months ended September 30, 2023, respectively.

Contract Balances

The timing of revenue recognition, billings and cash collections can result in accounts receivable, contract assets recorded as unbilled receivables, and contract liabilities recorded as deferred revenue.

Accounts receivable represents our right to consideration that is unconditional. A right to consideration is unconditional if only the passage of time is required before payment of that consideration is due. Accounts receivable was \$4.6 million, \$1.3 million and \$0.7 million as of September 30, 2024, December 31, 2023 and December 31, 2022, respectively.

Contract assets primarily relate to the rights to consideration for progress on contractual requirements performed but not billed at the reporting date. The contract assets are transferred to accounts receivable when the rights become unconditional. We had no contract assets as of both September 30, 2024 and December 31, 2023.

Contract liabilities consist primarily of deferred revenue, which is the amount of progress payments received or billed in advance of revenue recognition. Deferred revenue is subsequently recognized as revenue when the performance obligation is satisfied. Deferred revenue was \$1.8 million, \$3.4 million and \$3.4 million as of September 30, 2024, December 31, 2023 and December 31, 2022, respectively. Deferred revenue as of September 30, 2024 decreased compared to prior periods primarily due to the recognition of a non-recurring customization design service that was completed in the current quarter. During the three and nine months ended September 30, 2024, revenue recognized from the prior year deferred revenue balance was \$0.9 million and \$1.9 million, respectively. During the three and nine months ended

September 30, 2023, revenue recognized from the prior year deferred revenue balance was \$0.4 million and \$0.9 million, respectively.

Remaining Performance Obligations

We have performance obligations associated with commitments in customer contracts for future services that have not yet been recognized as revenue. As of September 30, 2024, the aggregate amount of the transaction price allocated to the remaining performance obligations related to customer contracts that were unsatisfied or partially unsatisfied, including deferred revenue, was approximately \$14.4 million. Given the applicable contract terms, approximately \$12.9 million is expected to be recognized as revenue within one year and approximately \$1.5 million is expected to be recognized between two and five years. This amount does not include contracts to which the customer is not committed. The estimated timing of the recognition of remaining unsatisfied performance obligations is subject to change and is affected by changes to scope, changes in timing of delivery of products and services, or contract modifications.

Note 4. Inventories

Inventories consisted of the following (in thousands):

	September 30, 2024	December 31, 2023
Raw materials	\$ 168	\$ 172
Work in process	138	113
Finished goods	2,358	445
Inventories	<u>\$ 2,664</u>	<u>\$ 730</u>

Note 5. Property, Plant and Equipment, Net

Property, plant and equipment, net consisted of the following (in thousands):

	September 30, 2024	December 31, 2023
Production equipment	\$ 6,959	\$ 6,253
Lab equipment	2,536	2,502
Leasehold improvements	11,217	11,152
Furniture, fixtures and other equipment	385	376
Construction in progress	14,838	10,527
Property, plant and equipment, at cost	35,935	30,810
Less: accumulated depreciation and amortization	(11,967)	(9,050)
Property, plant and equipment, net	<u>\$ 23,968</u>	<u>\$ 21,760</u>

Construction in progress consists primarily of production equipment that we purchased but have not yet placed in service, as well as pre-construction costs related to the planning of our GWh-scale manufacturing facility in Brighton, Colorado.

Depreciation and amortization expense was \$0.8 million and \$2.9 million during the three and nine months ended September 30, 2024, respectively, and \$0.4 million and \$1.3 million during the three and nine months ended September 30, 2023, respectively.

Note 6. Accrued and Other Current Liabilities

Accrued and other current liabilities consisted of the following (in thousands):

	September 30, 2024	December 31, 2023
Accrued compensation and benefits	\$ 2,502	\$ 3,070
Accrued professional fees	619	1,703
Accrued purchases of finished goods for resale	642	447
Other	433	374
Total accrued and other current liabilities	<u>\$ 4,196</u>	<u>\$ 5,594</u>

Note 7. Stockholders' Equity**Common Stock and Preferred Stock**

As of September 30, 2024, we had a total of 1,000,000,000 shares of stock authorized to be issued, of which 950,000,000 shares are designated as common stock, \$0.0001 par value per share, and 50,000,000 shares are designated as preferred stock, \$0.0001 par value per share. Holders of common stock are entitled to one vote for each share held and entitled to receive dividends when and if declared by the board of directors. We have not declared any dividends through September 30, 2024.

Equity Incentive Plans*2022 Equity Incentive Plan ("2022 Plan")*

We adopted the 2022 Plan effective September 14, 2022. The 2022 Plan authorizes awards in the form of stock options, stock appreciation rights, restricted stock, restricted stock units, or performance awards and may be granted to directors, employees or consultants. As of September 30, 2024, the total number of shares reserved for issuance under the 2022 Plan was 13,418,125, which includes the increase in shares reserved pursuant to the evergreen provisions contained in the 2022 Plan and the assumed awards that were withheld for payment of an exercise price or were forfeited due to failure to vest. The number of shares available for issuance under the 2022 Plan may be increased annually at the beginning of the fiscal year, subject to certain limitations.

2016 Equity Incentive Plan ("2016 Plan")

The 2016 Plan was terminated concurrently with the adoption of the 2022 Plan. However, the 2016 Plan continues to govern the terms and conditions of the outstanding awards previously granted under the 2016 Plan.

The 2022 Plan and 2016 Plan are collectively referred to as the "Equity Incentive Plans." To date, all grants made under the Equity Incentive Plans have been stock options or restricted stock units ("RSUs").

Stock Options

Stock options granted under the Equity Incentive Plans provided an exercise price not less than 100% of the fair value at the grant date, unless the optionee is a 10% stockholder, in which case the option price will not be less than 110% of such fair market value. Options granted generally have a maximum term of 10 years from grant date or 90 days from the termination of the optionee, are exercisable upon vesting unless otherwise designated for early exercise by the board of directors at the time of grant, and generally vest over a period of four years.

As of September 30, 2024, the total unrecognized stock-based compensation expense related to the unvested stock options was approximately \$3.5 million, which we expect to recognize over a weighted-average period of 1.6 years.

RSUs

The fair value of RSUs is determined based upon the market closing price of our common stock on the date of grant. RSUs generally vest over a period of approximately four years from the date of grant, subject to the continued employment or services of the grantee.

As of September 30, 2024, the total unrecognized stock-based compensation expense related to the unvested RSUs was approximately \$12.0 million, which we expect to recognize over a weighted-average period of 3.1 years.

Amprius, Inc. (“Amprius Holdings”) 2008 Stock Plan

The stock-based compensation costs under the Amprius Holdings 2008 Stock Plan, which were associated with grants to certain individuals who provided services to our company, were already fully recognized as of September 30, 2024 and included in the accompanying condensed consolidated statements of operations, with a corresponding increase in additional paid-in capital. On October 23, 2024, in connection with the liquidation and dissolution of Amprius Holdings, we assumed all of Amprius Holdings’ outstanding stock options to purchase shares of Amprius Holdings Class A common stock under the Amprius Holdings 2008 Stock Plan and the Amprius Holdings Second Equity Incentive Plan. See Note 12 below for additional information.

Employee Stock Purchase Plan

We adopted the 2022 Employee Stock Purchase Plan (“ESPP”) effective September 14, 2022. As of September 30, 2024, the total number of shares reserved for issuance was 2,724,333, which may be increased annually at the beginning of the fiscal year, subject to certain limitations. The ESPP is intended to qualify under Section 423 of the U.S. Internal Revenue Code of 1986 (as amended) (the “Code”) and will provide eligible employees an opportunity to purchase our common stock at a discount through payroll deductions. We have not established an offering under the ESPP as of September 30, 2024.

Executive Incentive Compensation Plan

On September 14, 2022, our board of directors approved our Executive Incentive Compensation Plan, which will allow us to grant incentive awards to certain executive employees, generally payable in cash, based upon achieving specified goals. We have the right to settle the award by granting an equity award, which may be subject to vesting conditions. All awards under the Executive Incentive Compensation Plan will be subject to reduction, cancellation, forfeiture, or recoupment in accordance with any clawback policy that we are required to adopt pursuant to applicable laws. As of September 30, 2024, there were no awards granted under the Executive Incentive Compensation Plan.

Common Stock Warrants

On May 13, 2024, we offered the holders of the public and private warrants the opportunity to exercise their warrants for cash at a temporarily reduced exercise price of \$1.10 per warrant. This cash tender offer expired on June 11, 2024. A total of 12,575,664 public warrants and 500,000 private warrants were exercised in connection with this cash tender offer. Gross proceeds from the exercise of the public and private warrants totaled \$14.4 million. Incremental costs incurred, which were charged against the proceeds from the issuance of our shares of common stock, totaled \$0.8 million. This cash tender offer was treated as a modification of the public and private warrants. However, we have not recognized the effect of such modification because the incremental fair value was de minimis.

On June 24, 2024, we made a separate tender offer to the holders of the unexercised private warrants pursuant to which such holders were given the opportunity to exchange their warrants, on a cashless basis, for shares of our common stock based on an exchange ratio of 0.197 for each warrant validly tendered. This cashless tender offer expired on July 23, 2024. A total of 15,600,000 private warrants were exchanged for a total of 3,073,200 shares of our common stock in connection with this cashless tender offer. This cashless tender offer was treated as a modification of the private warrants. Such modification resulted in an increase in the private warrants’ fair value of approximately \$0.7 million. The incremental fair value of the modified private warrants, which are classified as equity, is presented as an increase in additional paid-in capital on our condensed consolidated statements of stockholders’ equity. In addition, the incremental fair value is treated as a noncash deemed dividend and is presented as a reduction in additional paid-in capital, instead of a reduction in retained earnings due to our accumulated deficit position on our condensed consolidated statements of stockholders’ equity.

Shown below is a summary of the activity of the stock warrants as of and during the nine months ended September 30, 2024:

	Public warrants	Private warrants	PIPE warrants	Total
Outstanding, December 31, 2023	29,268,236	16,400,000	2,052,500	47,720,736
Exercise for cash	(12,575,664)	(500,000)	—	(13,075,664)
Noncash exercise in exchange for shares of common stock	—	(15,600,000)	—	(15,600,000)
Outstanding, September 30, 2024	16,692,572	300,000	2,052,500	19,045,072

The public warrants and private warrants, which expire on September 14, 2027, are exercisable for one share of our common stock at a price of \$11.50 per warrant subject to adjustment pursuant to the Warrant Agreement, dated as of March 1, 2022, as amended. Holders of private warrants may be able to exercise their warrants on a cashless basis pursuant to the Warrant Agreement, but holders of public warrants cannot exercise on a cashless basis. The public warrants are listed on the NYSE and are redeemable by us when the price per share of our common stock equals or exceeds \$18.00 per share for at least 20 trading days during a period of 30 consecutive trading days prior to the redemption date. The private warrants are not listed on any securities exchange and are not redeemable.

The PIPE warrants, which expire on September 14, 2027, are substantially identical to the public warrants, except that the exercise price of each PIPE warrant is \$12.50 per warrant and they are not listed on any securities exchange. In addition, the PIPE warrants are redeemable by us if the price per share of our common stock equals or exceeds \$20.00 per share for at least 20 trading days during a period of 30 consecutive trading days prior to the redemption date.

The warrants described above are classified as equity in accordance with the guidance under ASC 815-40, *Derivatives and Hedging—Contracts in Entity's Own Equity*. Equity-classified contracts, such as stock warrants, are initially measured at fair value or allocated value. Any subsequent changes in fair value are not recognized as long as the contracts continue to be classified in equity.

At Market Issuance Sales Agreement

On October 2, 2023, we entered into the Sales Agreement with the Sales Agents, pursuant to which we may offer and sell, from time to time, through or to any Sales Agent, shares of our common stock with an aggregate offering price of not more than \$100.0 million. From the date of the Sales Agreement through September 30, 2024, we sold shares of our common stock under the Sales Agreement resulting in aggregate net proceeds of approximately \$11.2 million.

Costs incurred related to the Sales Agreement, which were initially deferred and included in other assets in the accompanying condensed consolidated balance sheets, will be charged proportionally against the proceeds from the issuance of shares of common stock. The balance of unamortized deferred stock issuance costs was \$0.2 million as of September 30, 2024.

Common Stock Purchase Agreement

On September 27, 2022, we entered into a Common Stock Purchase Agreement (the "Stock Purchase Agreement") with B. Riley Principal Capital II, LLC ("BRPC II"), pursuant to which BRPC II committed to purchase shares of our common stock. We and BRPC II mutually agreed to terminate the Stock Purchase Agreement effective October 10, 2023.

Stock-Based Compensation

Stock-based compensation from stock options and RSUs under the Equity Incentive Plans and from stock options under the Amprius Holdings 2008 Stock Plan that we recorded were included in the following lines in the accompanying condensed consolidated statements of operations during the periods presented (in thousands):

	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
Cost of revenue	\$ 223	\$ 269	\$ 632	\$ 682
Research and development	248	27	688	74
Selling, general and administrative	1,249	819	3,588	2,009
Total stock-based compensation expense	\$ 1,720	\$ 1,115	\$ 4,908	\$ 2,765

Note 8. Income Taxes

We have no income tax expense as a result of the continued generation of net operating losses ("NOLs"), offset by a full valuation allowance recorded on such NOLs as we determined it is not more-likely-than-not that our NOLs will be utilized.

Note 9. Leases

As of September 30, 2024, we had non-cancelable operating leases for our corporate headquarters and manufacturing facilities located in Fremont, California and in Brighton, Colorado. Our Fremont lease, which expires in June 2027, provides us with an option to extend the term for one additional 5-year period and we determined with reasonable certainty

that we will exercise such option. Our Brighton lease, which expires in May 2039, provides us with an option to extend the term for two additional 5-year periods, but we have not determined with reasonable certainty that we will exercise such option. Our operating leases do not contain any material residual value guarantees. We had no leases that were classified as finance leases as of September 30, 2024 and December 31, 2023.

The components of lease expense during the three and nine months ended September 30, 2024 and 2023 are shown in the table below (in thousands):

	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
Operating lease expense	\$ 1,286	\$ 304	\$ 3,857	\$ 810
Variable lease expense	667	79	1,074	210
Short-term lease expense	25	20	70	62
Total lease expense	\$ 1,978	\$ 403	\$ 5,001	\$ 1,082

Other information about our operating leases during the nine months ended September 30, 2024 and 2023 are shown in the table below (amounts in thousands):

	Nine months ended September 30,	
	2024	2023
Cash paid for amounts included in the measurement of operating lease liabilities	\$ 843	\$ 727
Right-of-use assets obtained in exchange for new operating lease liabilities	\$ —	\$ 5,241
Weighted-average remaining lease term	13.7 years	8.8 years
Weighted-average discount rate	9.4 %	7.9 %

Future operating lease payments, net of tenant improvement allowance, as of September 30, 2024 are as follows (in thousands):

Year ending December 31:	Amount
Remainder of 2024	\$ 471
2025	2,055
2026	3,929
2027	5,025
2028	5,185
2029	5,344
Thereafter	48,439
Total lease payments, net of tenant improvement allowance	70,448
Less - present value adjustments	(33,187)
Total operating lease liabilities	\$ 37,261

Note 10. Commitments and Contingencies

From time to time, we may be involved in lawsuits, claims or legal proceedings that arise in the ordinary course of business. We accrue a contingent liability when it is probable that a liability has been incurred and the amount of loss can be reasonably estimated. Management believes that there are no claims against us for which the outcome is expected to have a material effect on our financial position, results of operations or cash flows.

Note 11. Net Loss Per Share

The following table presents the calculation of basic and diluted net loss per share attributable to common stockholders (in thousands, except share and per share amounts):

	Three months ended September 30,		Nine months ended September 30,	
	2024	2023	2024	2023
Numerator:				
Net loss	\$ (10,850)	\$ (8,492)	\$ (33,253)	\$ (27,042)
Add - increase in net loss due to the increase in fair value of modified stock warrants	(727)	—	(727)	—
Net loss attributable to common stockholders	<u>\$ (11,577)</u>	<u>\$ (8,492)</u>	<u>\$ (33,980)</u>	<u>\$ (27,042)</u>
Denominator:				
Weighted-average number of common shares outstanding	110,408,303	86,354,067	99,202,799	85,411,590
Basic and diluted net loss per common share	<u>\$ (0.10)</u>	<u>\$ (0.10)</u>	<u>\$ (0.34)</u>	<u>\$ (0.32)</u>

The amount of net loss was adjusted by the amount of the incremental fair value of the modified stock warrants described in Note 7 above.

The following table summarizes the outstanding shares of potentially dilutive securities that were excluded from the calculation of diluted earnings per share because their inclusion would have been anti-dilutive:

	September 30,	
	2024	2023
Stock warrants	19,045,072	47,720,736
Stock options	11,019,724	13,432,871
RSUs	4,573,951	568,708
Total	<u>34,638,747</u>	<u>61,722,315</u>

Note 12. Subsequent Event

On October 23, 2024, Amprius Holdings, which owned an aggregate of 65.2 million shares, or 58.6%, of our common stock, voluntarily liquidated and dissolved. As a result of such liquidation and dissolution, Amprius Holdings distributed, on a pro rata basis, an aggregate of approximately 57.2 million shares of our common stock to its stockholders.

In connection with the liquidation and dissolution of Amprius Holdings, and upon approval by our board of directors, we assumed all of Amprius Holdings' outstanding stock options to purchase shares of Amprius Holdings Class A common stock in exchange for, among other things, Amprius Holdings contributing to us 5.5 million shares of our common stock that it owned and agreeing to reimburse our expenses incurred in connection with the assumption of those stock options. All of the shares of our common stock that were contributed by Amprius Holdings to us were cancelled and returned to our authorized but unissued share capital.

Upon assumption of the Amprius Holdings stock options, those options became exercisable with shares of our common stock. The terms of those assumed stock options, including the number of option shares and exercise price, were adjusted in a manner that was designed to comply with the requirements of the Code's Treasury regulation relating to equity grant assumptions. After giving effect to the adjustment, the assumed stock options relate to the issuance of up to an aggregate of approximately 7.0 million shares of our common stock with a weighted average exercise price of \$2.10 per share.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

You should read the following discussion and analysis of our financial condition and results of operations together with our unaudited condensed consolidated financial statements and the related notes included elsewhere in this Quarterly Report on Form 10-Q. Some of the information contained in this discussion and analysis or set forth elsewhere in this Form 10-Q, including information with respect to our plans and strategy for our business and related financing, includes forward-looking statements that involve risks and uncertainties. As a result of many factors, including those factors set forth in the sections titled "Risk Factors" and "Cautionary Note Regarding Forward-Looking Statements" in this Form 10-Q, our actual results could differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis.

Overview

Amprius Technologies, Inc. (hereafter referred to as the "Company," "we," "us," or "our") develops, manufactures and markets lithium-ion batteries for mobility applications, including the aviation, electric vehicle ("EV") and light electric vehicle ("LEV") industries. We have been in commercial battery production since 2018 and our disruptive silicon anode technology is intended to enable batteries with higher energy density, higher power density and fast charging capabilities over a wide range of operating temperatures. This results in our batteries providing superior performance compared to conventional graphite lithium-ion batteries. Our silicon anodes are a direct drop-in replacement of the graphite anode in traditional lithium-ion batteries, and our manufacturing processes leverage the manufacturing processes for conventional lithium-ion batteries and the related supply chain.

Currently, our batteries are primarily used for existing and emerging aviation applications, including unmanned aerial systems, such as drones and high-altitude pseudo satellites. We believe our proprietary technology has the potential for broad application in electric transportation. Our batteries and their performance specifications have been tested and validated for application by over 175 customers, including AALTO Airbus, AeroVironment, BAE Systems, the Korean Aerospace Research Institute, Kraus Hamdani Aerospace and Teledyne FLIR, and from inception through September 30, 2024, we have shipped over 400,000 batteries, which have enabled mission critical applications. Our proprietary silicon anode structures, battery cell designs and manufacturing processes are defended by our portfolio of patents, trade secrets and know-how developed over 10 years of research and development.

We currently offer high performance silicon anode batteries under the following product platforms: SiMaxx and SiCore.

Our SiMaxx batteries are currently manufactured at our headquarters in Fremont, California, where we believe demand for our SiMaxx batteries exceeds our manufacturing capacity. We have made significant progress in expanding our kWh-scale manufacturing line into a MWh-scale manufacturing facility. Once our expansion is in full operation, which we expect to achieve entering 2025, we anticipate that we will manufacture SiMaxx batteries up to 2 MWh capacity, which is about 10 times our production capacity in 2023.

Our SiCore batteries are developed in collaboration with Berzelius (Nanjing) Co. Ltd. ("Berzelius"), a former subsidiary of Amprius, Inc. ("Amprius Holdings"), our former parent company and former majority stockholder at September 30, 2024. In order to support our customers' current roadmaps and supply forecasts, we entered into a supply agreement with Berzelius (the "Exclusive Supply Agreement"), which gives us exclusive rights to purchase its proprietary silicon anode materials in the United States, Canada and Mexico. In addition, we have access through supply agreements with three toll manufacturers to over 500 MWhs of SiCore batteries that are commercially available in a wide range of form factors encompassing pouch, large form factor (up to 100 Ah) and cylindrical cells. The existing toll manufacturing production capacity for our SiCore batteries allows us to service our customers and grow our business as we continue our pre-construction plans related to our GWh-scale manufacturing facility in Brighton, Colorado. The construction scope and schedule for the facility will be determined based on the final design and the availability and timing of funding. We are paying close attention to the larger industry dynamics. Changes in demand, supply, battery cost structure, government incentives, trade tariffs, and other considerations would also influence our decision.

At Market Issuance Sales Agreement

On October 2, 2023, we entered into the At Market Issuance Sales Agreement (the "Sales Agreement") with B. Riley Securities, Inc., Cantor Fitzgerald & Co. and H.C. Wainwright & Co., LLC, as sales agents (collectively, the "Sales Agents"), pursuant to which we may offer and sell, from time to time, through or to any Sales Agent, shares of our common stock with an aggregate offering price of not more than \$100.0 million (the "At Market Financing"), as described in the prospectus supplement dated October 10, 2023 filed with the Securities and Exchange Commission (the "SEC").

During the nine months ended September 30, 2024 and from the date of the Sales Agreement through September 30, 2024, we sold shares of our common stock under the Sales Agreement resulting in aggregate net proceeds of approximately \$10.9 million and \$11.2 million, respectively.

Known Trends, Demands, Commitments, Events, or Uncertainties Impacting Our Business

We believe that our performance and future success depends on several factors that present significant opportunities for us but also pose risks and challenges, including those discussed below and in the section titled “Risk Factors.”

Establishing Manufacturing Capacity

In order to meet the increased demand for our products, we are expanding our manufacturing capacity in Fremont, California and have substantially completed the design and specifications for a GWh-scale manufacturing facility in Brighton, Colorado. Currently, our expansion of the Fremont facility from a kWh-scale manufacturing line into a MWh-scale manufacturing line is in progress. Once our expansion in Fremont, California is in full operation, which we expect to achieve entering 2025, we anticipate that we will manufacture SiMaxx batteries up to 2 MWh capacity, which is about 10 times our production capacity in 2023. In Brighton, the construction scope and schedule for the facility will be determined based on the final design and the availability and timing of funding. During this process, we will continue to monitor broader industry dynamics. Changes in demand, supply, battery cost structure, government incentives, trade tariffs, and other considerations may influence our decisions with respect to the design and build out of the GWh-scale manufacturing facility, including whether to proceed with the project at all. Currently, we produce SiCore batteries by leveraging Berzelius’ existing production line and through our supply agreements with three toll manufacturers.

To achieve capacity at commercial scale, we need to establish supply relationships for necessary materials, components and equipment to mass produce our silicon technology for our prospective markets, which will allow us to develop an automated, high-volume manufacturing line to increase production volume. We plan to procure manufacturing equipment that allows for anode and cathode fabrication, battery assembly, and battery testing. The capacity and timing of our future manufacturing requirements, and related capital expenditures, remain uncertain and will depend on a variety of factors, including our ability to design and construct new manufacturing sites and develop an automated, high-volume manufacturing line for our silicon anode, to mitigate supply chain constraints and manage a new labor force, to utilize planned capacity in our existing facilities, to obtain the required regulatory and zoning permits and approvals, to realize the benefits of any government incentives, and to operate in new geographic areas apart from our current headquarters. Our potential suppliers and other equipment vendors may also encounter delays, including to our expected initial production capacity of up to 500 MWh in our Brighton, Colorado facility, along with additional costs, and other obstacles in building our manufacturing line, which are currently unknown. To the extent we are unable to develop an automated, high-volume manufacturing line for our silicon anode, our ability to grow will be adversely affected. Additionally, although we already received and are currently testing the large-scale anode production equipment from centrotherm for our manufacturing line expansion in Fremont, California, the equipment required certain modifications for our needs and there is uncertainty as to whether our planned manufacturing line will be successful.

Achieving capacity at commercial scale of our high energy density lithium-ion batteries may require us to make significant and increasing capital expenditures to scale our manufacturing capacity and improve our supply chain processes. Based on our current expectations, we estimate that our capital equipment expenditures will range between \$75.0 million and \$100.0 million to achieve up to 500 MWh per year of manufacturing capacity in our Brighton, Colorado facility, but such estimate does not include costs related to the construction and build-out of the new manufacturing facility. Our first manufacturing line is planned to be for SiCore, which allows us to use conventional, off-the-shelf processes. As we plan additional lines, our SiMaxx anode process requires different equipment than traditional anode manufacturing, therefore our capital equipment costs are likely to be higher than equipment used for production of graphite anodes. Our ability in the future to generate revenue sufficient to achieve profitability will depend largely on our ability to scale production to meet the expected market demand for our products. Accordingly, the drivers of our future financial results, as well as the components of such results, may not be comparable to our historical results of operations.

Part of our plan to meet the increased demand for our SiCore batteries is the establishment of a network of toll manufacturing partnerships. This is a new process for us and some of the challenges that we may encounter include, among others, risk of losing control over the manufacturing of our SiCore batteries, which could lead to quality control issues, delay in production, increase in production costs, and non-compliance with our established standards. In addition, we may encounter a risk of losing control of some of our intellectual property. We need to set up business processes, including oversight and quality control procedures, in order to manage our toll manufacturing arrangements. We will only select

large, experienced and reputable toll manufacturing companies. Currently, we have three large scale toll manufacturing partners in Asia.

Reducing Costs of SiMaxx Manufacturing

We believe focusing on reducing the manufacturing costs of our SiMaxx batteries on a \$/kWh basis is an important factor to accelerate the demand for our batteries and the expansion of our customer base. As a result, we will continue to work to develop further and validate our manufacturing processes to enable high-volume manufacturing and reduce manufacturing costs. As the production of our silicon anode requires different equipment than traditional graphite anode manufacturing, our capital equipment costs are likely to be initially higher than equipment used for the production of graphite anodes. As we scale, we believe we will benefit from reduced per-unit fixed costs, such as overhead, labor and capital expenditures, tool utilization improvements and volume pricing for equipment and materials. We will also seek to reduce costs by optimizing material utilization, throughput and yield. This is complemented by our plans to continue to invest in research and development to improve both battery performance and manufacturing processes. However, until we are able to successfully design and implement an automated, high-volume manufacturing line for our silicon anode and manufacture our batteries at scale, we cannot accurately forecast our manufacturing costs, which may adversely affect our ability to achieve reduced costs in our manufacturing processes. In addition, high inflation may affect our manufacturing costs. If our costs become subjected to significant inflationary pressures, we may not be able to fully offset such higher costs through the increase in prices of the products we sell.

Highly Competitive Market

Our competition includes both established manufacturers and new entrants that are developing new battery technologies and chemistries to address the growing market for electrified transportation solutions. We believe the manufacturers of these batteries will continue to invest funds, time and effort to improve the capabilities of their batteries with the recent developments of silicon anode batteries as a potential alternative to conventional graphite batteries. Currently, we believe that we are the only known manufacturer using a 100% silicon anode that is free of any inactive additives. In addition, we believe that we are the leading company in the market that has a high-performance battery that can meet the requirements of aviation applications. We are not currently producing batteries for EVs. The EV battery industry has a limited number of commercially available batteries that meet the minimum performance specifications. This creates a fast-growing and highly competitive industry for many battery manufacturers to claim market share for commercially acceptable batteries. We believe that there is significant room for improvement in the EV industry in driving range and fast charging capabilities that our silicon technology may address. To compete in the EV industry, we expect that we will need to significantly reduce our manufacturing costs, increase form factors and increase production quantity. One or more of our competitors and potential future entrants may be better capitalized to expand production capacities, have greater resources to commercialize and have greater access to customers in either or both the aviation and EV markets. As such, we may be at a competitive disadvantage and be unable to retain or grow our market share.

Product Development

We expect to continue investing in the development of battery technology with the goal of enabling commercial production. We continue to develop customized battery solutions and deliver standardized samples (i.e., prototypes) of batteries to industry leading manufacturers as well as to certain federal government agencies. We plan to focus our research and development on the following key areas:

- *Improving battery life.* To continue to meet the specific needs of our customers and drive adoption of our batteries in new areas of electrified transportation, including the EV space. We are working with chemical compounds as potential additives to the silane gas we use to produce our silicon anodes, which have demonstrated the potential to improve cycle life without negatively impacting other performance characteristics such as energy density.
- *Further improvements to energy density.* We are engaged in ongoing development activities to explore different cathode materials, including a conversion cathode, to further improve the energy density of our batteries.
- *Larger cell form factors.* The batteries we have developed and are developing for our customers are typically approximately up to 15Ah for small-sized aircraft. As we expand our customer base, we expect to develop larger form factor batteries for broader electrified transportation applications.

As a result of these efforts, our goal is to fully realize the benefits of our silicon anode technology and develop the highest performing products in the market.

Regulatory Landscape

We operate in an industry that is subject to many established environmental regulations, which have generally become more stringent over time. As we process, store, dispose of, transport, and use hazardous materials, we are subject to laws and regulations surrounding battery safety and transportation, as well as health and production safety laws and regulations governing hazardous materials. If we fail to comply with existing and future laws and regulations, our business and results of operations could be adversely affected, such as the imposition of fines, litigation, criminal charges, sanctions by regulators, or other liabilities. As future regulatory changes are uncertain, we are unable to measure the impact of such changes on our business and our results of operations.

Global Risks and Other Uncertainties

Abrupt political change, terrorist activity, and armed conflict has had an adverse impact on the global economy and financial markets. Although our business has not been directly impacted by such events, as we have no assets or operations, and we have not purchased materials from Russia, Belarus, Ukraine or the Middle East, it is impossible to predict the extent to which our operations, or those of our customers, suppliers and manufacturers, will be impacted in the short and long term, or the ways in which the conflict may impact our business. The extent and duration of military action, sanctions and resulting market disruptions and inflationary pressures, and the impact of such changes on our business and our results of operations are impossible to predict, but could be material.

The COVID-19 pandemic was unprecedented and resulted in significant national and global economic disruption. The extent to which public health emergencies such as the COVID-19 pandemic may impact our business, financial condition, prospects and results of operations is highly uncertain and cannot be predicted.

Components of Our Results of Operations

Revenue

We generate revenue from the (i) sale of finished battery products and (ii) arrangements for customization design services. The customization design services generally include designing and developing custom batteries by applying our existing technology into a customer's required specifications and delivery of prototype batteries. We recognize revenue at the point in time when control is transferred to the customers, which is generally (i) upon shipment, in the case of sale of finished battery products, and (ii) upon completion and/or delivery of prototype batteries, in the case of customization design services. We also receive government grants from time to time, which we present as a component of revenue. We recognize government grants in the period when we comply with the conditions associated with the grants, if there are any, and other conditions such as when we incur costs associated with the grants, and when we have the right to receive the payment.

Cost of Revenue

Cost of revenue, which includes the cost of finished goods sold and the cost of customization design services, are comprised primarily of costs of raw materials, labor costs, allocation of overhead costs incurred in producing batteries or performing the customization development work, and purchase costs of SiCore batteries from Berzelius and our toll manufacturing partners. Labor costs consist of personnel-related expenses such as salaries, employee benefits and stock-based compensation expense. Overhead and other costs consist primarily of outside services, utilities, rent, depreciation expense and other facilities-related costs. Costs related to batteries and design services are recognized in the same period as the associated revenue is recognized. In addition, we include under cost of revenue certain non-capitalizable expenses incurred during the preliminary stage of our plan to construct a GWh-scale manufacturing facility in Brighton, Colorado, such as re-zoning costs and engineering studies. We expect that our cost of revenue will increase for the foreseeable future as we ramp up manufacturing in our existing facility and increase our volume of orders for SiCore batteries.

Research and Development ("R&D") Expenses

R&D expenses consist mainly of personnel-related expenses such as salaries, employee benefits and stock-based compensation expense of our R&D personnel, outside contractors, materials, R&D equipment for which there is no alternative future use, and allocation of overhead costs, which include utilities, rent, depreciation expense and other facilities-related costs. Our R&D activities include the conceptual formulation and design of preproduction experimental prototypes and models. R&D expenses are expensed as incurred. We expect that our R&D expenses will increase for the foreseeable future as we continue to invest in activities to develop and enhance product capabilities, as well as build and test battery prototypes to meet the expected market demand.

Selling, General and Administrative Expenses

Selling, general and administrative expenses consist mainly of personnel-related expenses such as salaries, employee benefits and stock-based compensation expense of our executive and administrative employees, as well as fees for professional and advisory services such as legal, accounting and audit. Selling, general and administrative expenses also include corporate insurance expense, including directors' and officers' insurance costs, and allocation of overhead costs, which include utilities, rent, depreciation expense and other facilities-related costs. We expect that our selling, general and administrative expenses will increase for the foreseeable future primarily due to costs for compliance-related requirements resulting from being a public company and investment in additional sales, general and administrative personnel to support the growth of our business.

Other Income, Net

Other income, net consists mainly of interest income.

Provision for Income Taxes

Our provision for income tax consists of an estimate for U.S. federal and state income taxes based on enacted rates, as adjusted for allowable credits, deductions, uncertain tax positions, changes in deferred tax assets and liabilities, and changes in tax law. We maintain a valuation allowance against the full value of our U.S. federal and state net deferred tax assets because it is not more likely that our deferred tax assets will be recoverable.

Results of Operations

Comparison of the Three and Nine Months Ended September 30, 2024 to the Three and Nine Months Ended September 30, 2023

The following table summarizes our results of operations during the three and nine months ended September 30, 2024 and 2023 (in thousands, except percentage data):

	Three months ended September 30,		Change		Nine months ended September 30,		Change	
	2024	2023	\$	%	2024	2023	\$	%
Revenue	\$ 7,855	\$ 2,798	\$ 5,057	181 %	\$ 13,536	\$ 5,109	\$ 8,427	165 %
Cost of revenue	12,956	7,046	5,910	84 %	29,613	15,906	13,707	86 %
Gross loss	(5,101)	(4,248)	(853)	20 %	(16,077)	(10,797)	(5,280)	49 %
Gross margin	(65)%	(152)%			(119)%	(211)%		
Operating expenses:								
Research and development	1,817	815	1,002	123 %	5,060	2,387	2,673	112 %
Selling, general and administrative	4,335	4,068	267	7 %	13,367	15,781	(2,414)	(15)%
Total operating expenses	6,152	4,883	1,269	26 %	18,427	18,168	259	1 %
Loss from operations	(11,253)	(9,131)	(2,122)	23 %	(34,504)	(28,965)	(5,539)	19 %
Other income, net	403	639	(236)	(37)%	1,251	1,923	(672)	(35)%
Net loss	\$ (10,850)	\$ (8,492)	\$ (2,358)	28 %	\$ (33,253)	\$ (27,042)	\$ (6,211)	23 %

Cost and operating expenses reported above include stock-based compensation as follows (in thousands, except percentage data):

	Three months ended September 30,		Change		Nine months ended September 30,		Change	
	2024	2023	\$	%	2024	2023	\$	%
Cost of revenue	\$ 223	\$ 269	\$ (46)	(17)%	\$ 632	\$ 682	\$ (50)	(7)%
Research and development expense	248	27	221	819 %	688	74	614	830 %
Selling, general and administrative expense	1,249	819	430	53 %	3,588	2,009	1,579	79 %
Total stock-based compensation	\$ 1,720	\$ 1,115	\$ 605	54 %	\$ 4,908	\$ 2,765	\$ 2,143	78 %

Revenue

Revenue increased by \$5.1 million, or 181%, to \$7.9 million during the three months ended September 30, 2024 from \$2.8 million during the same period last year due primarily to the \$3.9 million increase in sales of batteries, including the \$3.2 million increase in sales of SiCore batteries, resulting from an increase in the volume of orders from new and existing customers, as well as the \$0.9 million increase in non-recurring customization design service revenue and a \$0.3 million increase in revenue from government grants.

Revenue increased by \$8.4 million, or 165%, to \$13.5 million during the nine months ended September 30, 2024 from \$5.1 million during the same period last year primarily due to the \$7.8 million increase in sales of batteries, including the \$6.2 million increase in sales of SiCore batteries, resulting from an increase in the volume of orders from existing and new customers, and the \$0.6 million increase in non-recurring customization design service revenue.

Cost of Revenue

Cost of revenue increased by \$5.9 million, or 84%, to \$13.0 million, and by \$13.7 million, or 86%, to \$29.6 million during the three and nine months ended September 30, 2024, respectively, compared to the same periods last year. The increase was primarily due to increases in the volume of purchases of finished SiCore batteries for resale, increases in the cost of materials and personnel-related costs to produce SiMaxx products, and costs from the allocation of overhead, primarily shared-facility costs, equipment and utility costs.

Research and Development Expense

Research and development expense increased by \$1.0 million, or 123%, to \$1.8 million, and by \$2.7 million, or 112%, to \$5.1 million, during the three and nine months ended September 30, 2024, respectively, compared to the same periods last year primarily due to the increase in personnel-related costs, including stock-based compensation expense, and materials used in ongoing research and development activities.

Selling, General and Administrative Expense

Selling, general and administrative expense increased by \$0.3 million, or 7%, to \$4.3 million during the three months ended September 30, 2024 compared to the same period last year primarily due to a \$0.6 million increase in personnel-related costs, including an increase in stock-based compensation expense, due to the hiring of additional personnel, offset by a \$0.3 million decrease in non-recurring professional fees and corporate insurance costs, including a decrease in directors' and officers' insurance costs.

Selling, general and administrative expense decreased by \$2.4 million, or 15%, to \$13.4 million during the nine months ended September 30, 2024 compared to the same period last year primarily due to a \$4.7 million decrease in non-recurring professional fees and corporate insurance costs, including a decrease in directors' and officers' insurance costs, offset by a \$2.3 million increase in personnel-related and other administrative costs, including an increase in stock-based compensation expense, due to the hiring of additional personnel.

Other Income, Net

Other income, net, which consisted primarily of interest income, decreased by \$0.2 million and by \$0.7 million during the three and nine months ended September 30, 2024, respectively, compared to the same periods last year primarily due to the utilization of our interest-bearing funds for operations.

Liquidity and Capital Resources

Sources and Uses of Liquidity

Liquidity describes the ability of a company to generate sufficient cash flows to meet the cash requirements of its business operations, including working capital needs, debt service, acquisitions, contractual obligations and other commitments. We assess liquidity in terms of our cash flows from operations and their sufficiency to fund our operating and investing activities. To meet our obligations, we must continually have sufficient liquid assets.

During the three and nine months ended September 30, 2024 and 2023, we have financed our operations primarily through revenue generated from operations and proceeds from the issuance of shares of our common stock. We expect to rely on our cash and cash equivalents, which was \$35.0 million as of September 30, 2024, and cash flows from operations

to meet our working capital and capital expenditure requirements for a period of at least twelve months from the date our financial statements included in this Quarterly Report on Form 10-Q are issued.

As described further below, we may receive additional funds when we sell shares of our common stock under the At Market Financing and if our stock warrants are exercised for cash.

Under the At Market Financing, we may receive additional funds from the offering and sale of our shares of our common stock with an aggregate offering price of not more than \$100.0 million. During the nine months ended September 30, 2024 and from the date of the Sales Agreement through September 30, 2024, we sold shares of our common stock under the At Market Financing resulting in aggregate net proceeds of approximately \$10.9 million and \$11.2 million, respectively. Future sales, if any, of shares of common stock under the At Market Financing will depend on a variety of factors to be determined by us from time to time, including, among other things, market conditions, the trading price of our common stock and determinations by us as to appropriate sources of funding for our business and operations. We cannot guarantee the extent to which we may be able to raise funds through the At Market Financing.

We may also receive additional funds from our outstanding stock warrants if those stock warrants are exercised for cash. On May 13, 2024, we offered the holders of the public and private warrants the opportunity to exercise, for cash, their warrants at a temporarily reduced exercise price of \$1.10 per warrant. Net proceeds from such cash tender offer, which expired on June 11, 2024, totaled \$13.6 million. In addition, we made a separate tender offer to the holders of private warrants to exchange their warrants, on a cashless basis, for shares of our common stock. A total of 15.6 million private warrants were exercised in exchange for a total of 3.1 million shares of our common stock under such cashless tender offer, which expired on July 23, 2024. As of September 30, 2024, we had a total of 16.7 million public warrants, 0.3 million private warrants and 2.1 million PIPE warrants outstanding. The exercise price of our public warrants and private warrants is \$11.50 per warrant, and the exercise price of the PIPE warrants is \$12.50 per warrant, although we have, and, in certain cases, together with the warrant agent have, the ability to amend the applicable warrant agreement to reduce the exercise price, including to a price that is below the trading price of our common stock at that time. The likelihood that warrant holders will exercise the warrants and any cash proceeds that we would receive is dependent upon market conditions.

Our ability to become profitable is dependent upon future events, including obtaining adequate financing to fund our business plan, optimizing our manufacturing capacity, obtaining adequate supplier relationships, building our customer base, successfully executing our business and marketing strategy and hiring appropriate personnel.

We expect our capital expenditures and working capital requirements may increase materially in the near future. At our headquarters in Fremont, California, our expansion from a kWh-scale manufacturing line into a MWh-scale manufacturing line is in progress. In addition, in order to meet the demand for our batteries, we are planning the construction of a new GWh-scale manufacturing facility in Brighton, Colorado. Based on our current expectations, we estimate that our capital equipment expenditures will range between \$75.0 million and \$100.0 million to achieve up to 500 MWh per year of manufacturing capacity, but such estimate does not include costs related to the construction and the build-out of the new manufacturing facility. We are continuing the pre-construction work of the initial phase of up to 500 MWh, and we expect to build out additional manufacturing in phases thereafter. However, the construction schedule for the facility will be determined based on the final design and the timing of funding. During this process, we will continue to monitor broader industry dynamics. Changes in demand, supply, battery cost structure, government incentives, trade tariffs, and other considerations may influence our decisions with respect to the design and build out of the GWh-scale manufacturing facility, including whether to proceed with the project at all.

We have incurred net losses to date. During the three and nine months ended September 30, 2024, we incurred a net loss of \$10.9 million and \$33.3 million, respectively. We expect to incur additional losses and increased expenses in future periods, including those associated with any build out of our GWh-scale manufacturing facility, continued research and development, and increased employee headcount to support those efforts.

As of September 30, 2024, our contractual obligations consisted primarily of our noncancellable operating lease agreements for our corporate headquarters and manufacturing facilities in Fremont, California and in Brighton, Colorado. As of September 30, 2024, the total future minimum lease payable, net of tenant improvement allowance, over the remaining weighted-average lease term of 13.7 years was approximately \$70.4 million. Approximately \$3.0 million is payable over the next twelve months before adjusting such amount for the tenant improvement allowance. For additional information about our leases, please refer to Note 9 to our condensed consolidated financial statements included elsewhere in this Quarterly Report on Form 10-Q.

To the extent that our resources are insufficient to satisfy our cash requirements, we may need to seek additional equity or debt financing. If financing is not available, or if the terms of financing are less desirable than we expect, we may

be forced to take actions to reduce our capital or operating expenditures, including by reducing or delaying our production facility expansion, which may adversely affect our business, operating results, financial condition and prospects. For example, because we expect to expand through a Copy Exact methodology, to the extent we have less cash than expected and additional financing is unavailable on acceptable terms, we expect that we would reduce the initial production capacity of our large-scale facility and thereafter add capacity as appropriate. Any such reduction or delay may have an adverse impact on our business plan and our results of operations.

Cash Flows

The following table summarizes our cash flows from operating, investing and financing activities for the periods presented (in thousands):

	Nine months ended September 30,		Change
	2024	2023	\$
Net cash used in operating activities	\$ (27,267)	\$ (20,753)	\$ (6,514)
Net cash used in investing activities	\$ (6,834)	\$ (11,799)	\$ 4,965
Net cash provided by financing activities	\$ 24,585	\$ 16,252	\$ 8,333

Net Cash Used in Operating Activities

Our primary source of cash provided by operations is revenue from the sale of batteries and from non-recurring customization design services. Our uses of cash in our operating activities primarily include payments for personnel-related costs, procurement of SiCore batteries, procurement of materials used to produce SiMaxx batteries and to conduct research, as well as professional fees, and other general corporate expenses.

Net cash used in operating activities increased to \$27.3 million during the nine months ended September 30, 2024 from \$20.8 million during the same period last year primarily due to the increase in personnel-related costs as we hired additional employees.

Net Cash Used in Investing Activities

Our primary use of cash in investing activities is for purchases of property, plant and equipment.

Net cash used in investing activities decreased to \$6.8 million during the nine months ended September 30, 2024 from \$11.8 million during the same period last year primarily due to the construction of leasehold improvements in our manufacturing facilities in the prior year period and the timing of purchases of production equipment as we continue to expand our manufacturing capacity.

Net Cash Provided by Financing Activities

Our primary source of cash provided by financing activities consists of proceeds from the issuance of common stock. Our cash usage for financing activities consists primarily of payments related to the issuance of common stock.

Net cash provided by financing activities increased to \$24.6 million during the nine months ended September 30, 2024 from \$16.3 million during the same period last year. Net cash provided by financing activities during the nine months ended September 30, 2024 consisted primarily of the net proceeds from the issuance of common stock in connection with the Sales Agreement and the cash received upon the exercise of our public and private warrants. Net cash provided by financing activities during the same period last year consisted primarily of the net proceeds from the issuance of common stock in connection with the Common Stock Purchase Agreement (the "Stock Purchase Agreement") with B. Riley Principal Capital II, LLC ("BRPC II").

Related Party Transactions

We have purchased and may continue to purchase raw materials and development materials from two previous related parties that were owned and controlled by Amprius Holdings, including finished batteries for our SiCore product platform from Berzelius. We do not have purchase commitments with these previous related parties.

Emerging Growth Company and Smaller Reporting Company Status

We are an emerging growth company as defined in the Jumpstart Our Business Startups Act of 2012 (“JOBS Act”) and may take advantage of reduced reporting requirements that are otherwise applicable to public companies. Section 107 of the JOBS Act exempts an emerging growth company from being required to comply with new or revised financial accounting standards until private companies are required to comply with those standards. This means that when a standard is issued or revised and it has different application dates for public and nonpublic companies, we have the option to adopt the new or revised standard at the time nonpublic companies adopt the new or revised standard and can do so until such time that we either (i) irrevocably elect to “opt out” of such extended transition period or (ii) no longer qualify as an emerging growth company. We have elected to use the extended transition period for complying with new or revised accounting standards unless we otherwise early adopt select standards.

We are also a “smaller reporting company” as defined in Item 10(f)(1) of Regulation S-K. Smaller reporting companies may take advantage of certain reduced disclosure obligations, including, among other things, providing only two years of audited financial statements. We will remain a smaller reporting company until the last day of the fiscal year in which (i) the market value of our common stock held by non-affiliates exceeds \$250.0 million as of the prior June 30 or (ii) our annual revenue exceeds \$100.0 million during such completed fiscal year and the market value of our common stock held by non-affiliates exceeds \$700.0 million as of the prior June 30.

Critical Accounting Estimates

Our management’s discussion and analysis of our financial condition and results of operations is based on our unaudited condensed consolidated financial statements included elsewhere in this Quarterly Report on Form 10-Q, which have been prepared in accordance with U.S. GAAP. The preparation of our condensed consolidated financial statements requires us to make estimates and assumptions. Our critical accounting estimates include estimates that require significant assumptions or that involve a significant level of uncertainty at the time the estimate was made, and changes in them may likely have a material effect on our financial condition or results of operations. Our estimates are based on our historical experience and on various other factors that we believe are reasonable under the circumstances. Actual results may differ from these estimates under different assumptions or conditions and any such differences may be material.

There have been no changes to our critical accounting estimates during the nine months ended September 30, 2024.

Recent Accounting Pronouncements

See Note 2 to the condensed consolidated financial statements included elsewhere in this Quarterly Report on Form 10-Q for further information about recent accounting pronouncements, the timing of their adoption, and our assessment, to the extent we have made one, of their potential impact on our financial condition and results of operations.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

As a “smaller reporting company,” as defined by Item 10 of Regulation S-K, we are not required to provide information under Item 3.

Item 4. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our management, with the participation and supervision of our Chief Executive Officer (“CEO”) and our Chief Financial Officer (“CFO”), have evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the “Exchange Act”) as of the end of the period covered by this Quarterly Report on Form 10-Q. Our disclosure controls and procedures are designed to ensure that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in SEC rules and forms, and that such information is accumulated and communicated to our management, including our CEO and our CFO, as appropriate, to allow timely decisions regarding required disclosure. Based on such evaluation, our CEO and our CFO have concluded that our disclosure controls and procedures were not effective because of our previously identified material weaknesses in internal controls over financial reporting, as described further below, that have not been remediated as of September 30, 2024. However, based on additional procedures and post-closing review that we performed, management concluded that the condensed consolidated financial statements included in this Quarterly Report on Form 10-Q present fairly, in all material

respects, our consolidated financial position, consolidated results of operations, and consolidated cash flows as of and for the periods presented, in conformity with U.S. GAAP.

Remediation Plan for Previously Identified Material Weaknesses

The previously identified material weaknesses pertained to (i) inadequate design and maintenance of internal controls over our financial reporting and close activities, and (ii) inadequate segregation of duties. More specifically, the material weaknesses were attributed to our inadequate controls on our implementation, use and monitoring of certain application systems that were implemented in 2023, which resulted in inadequate review of certain transactions. Our management is in the process of performing the following:

- Continue to enhance our control activities on our application systems by ensuring that inappropriate level of user access are removed, periodically reviewing user access, documenting our review of user access, and ensuring that no one from the accounting and finance department can add or modify users in those application systems;
- Continue to enhance our internal controls over the recording of transactions entered into our accounting system, whether automated or manually entered, by ensuring that they are properly reviewed and approved by the appropriate level of personnel; and
- Continue to enhance our review, testing and monitoring of our existing internal controls on a periodic basis, through the assistance of our external specialists, and design and implement new internal controls in a timely manner when a new process is implemented, if any, such as an implementation of a relevant application system.

Our management believes that the remediation efforts described above will enable us to address the material weaknesses in a timely manner, maintain a properly designed and effective system of internal controls over financial reporting, and provide appropriate segregation of duties. Our remediation efforts are in progress. We will not be able to demonstrate that the material weaknesses have been fully remediated, or that our controls are operating effectively, until we complete our remediation efforts. We will continue to evaluate the effectiveness of our internal control over financial reporting and will continue to make changes that we believe will strengthen our internal control over financial reporting to ensure that our financial statements continue to be fairly stated in all material respects.

Changes in Internal Control Over Financial Reporting

Except for the activities taken related to the remediation of the material weaknesses described above, there were no changes in our internal control over financial reporting identified in connection with the evaluation required by Rules 13a-15(d) and 15d-15(d) of the Exchange Act that occurred during the quarter ended September 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Part II - Other Information

Item 1. Legal Proceedings

From time to time, we may become involved in litigation or other legal proceedings. We are not currently a party to any litigation or legal proceedings that are likely to have a material adverse effect on our business. Regardless of outcome, litigation can have an adverse impact on us because of defense and settlement costs, diversion of management resources and other factors.

Item 1A. Risk Factors

Investing in our securities involves a high degree of risk. Before making an investment decision, you should carefully consider the risks and uncertainties described below, together with all of the other information in this Quarterly Report on Form 10-Q, including the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" and our condensed consolidated financial statements and related notes thereto included elsewhere in this Quarterly Report on Form 10-Q. Our business, financial condition, results of operations or prospects could also be harmed by risks and uncertainties not currently known to us or that we currently do not believe are material. If any of the risks actually occur, our business, financial condition, results of operations and prospects could be adversely affected. In that event, the market price of our securities could decline, and you could lose part or all of your investment.

Summary of Risk Factors

Certain of the material risks that we face include:

- If our batteries fail to perform as expected, our ability to develop, market and sell our batteries would be adversely affected.
- Our reliance on third parties to manufacture certain of our batteries or battery materials subjects us to certain risks.
- We may not succeed in developing new high-volume manufacturing lines that meet our requirements for cell quality, yield, throughput and other performance metrics.
- We may not meet our manufacturing cost targets, which would limit the size of our market opportunities.
- We rely on, and will continue to rely on, complex equipment for our operations, and production involves a significant degree of risk and uncertainty in terms of operational performance and costs.
- Our establishment of a volume manufacturing facility is subject to many risks, including, among others, risks relating to construction, permitting, delays, cost overruns, supply chain constraints, and operating in a new geographic area away from our headquarters.
- We may not succeed in retaining and attracting key employees, particularly technical talent, needed to operate and build our business successfully.
- We have pursued new product platforms and expanded our product portfolio. We may expend our limited resources to pursue a particular product and fail to capitalize on products that may be more profitable or for which there is a greater likelihood of success.
- We may encounter delays and technical obstacles in developing new battery products such as different cell formats to meet varied market requirements.
- Certain components of our batteries are hazardous and pose safety risks that may cause accidents in our manufacturing facility.
- We may be subject to financial and reputational risks due to product recalls and product liability claims, and we could face substantial liabilities that exceed our resources.
- We may not be able to accurately estimate the future supply and demand for our batteries, which could result in a variety of inefficiencies in our business and hinder our ability to generate revenue. If we fail to accurately predict our manufacturing requirements, we could incur additional costs or experience delays.
- We may not be able to establish supply relationships for necessary materials, components or equipment or may be required to pay more than anticipated for components or equipment, which could negatively impact our business.

- The battery market is intensely competitive. Competitors include new entrants and established companies, many of which have significantly greater resources than us.
- Our future sales opportunities depend in part on the growth of markets for battery-powered applications. These applications may develop slower or at a size that is less than expected, to the extent they develop at all.
- Developments in alternative technology or other fossil fuel alternatives may adversely affect the demand for our battery products.
- We have pursued and may continue to pursue development agreements and other strategic alliances, which could have an adverse impact on our business if they are unsuccessful.
- If our customers choose to reduce purchases, or do not purchase at all, batteries manufactured outside of the United States, our revenue could decline and our prospects may be adversely affected.
- We will require additional capital to support business growth, and this capital might not be available on commercially reasonable terms or at all.
- We are an early-stage company with a history of financial losses and expect to incur significant expenses and continuing losses for the foreseeable future.
- We have previously identified material weaknesses in our internal control over financial reporting. If we are unable to develop and maintain an effective system of internal controls and procedures required by Section 404(a) of the Sarbanes-Oxley Act, we may not be able to accurately report our financial results in a timely manner, which may adversely affect investor confidence in us and materially and adversely affect our stock price, business and operating results.
- We have customers from the public sector, and our failure to receive and maintain government contracts or changes in the contracting or fiscal policies of the public sector could have a material adverse effect on our business.
- We rely heavily on our intellectual property portfolio. If we are unable to protect our intellectual property rights, our business and competitive position would be harmed.
- We may need to defend ourselves against intellectual property infringement claims, which may be time-consuming and could cause us to incur substantial costs.
- Our operations expose us to litigation, environmental and other legal compliance risks. Compliance with laws and regulations can be expensive, and our failure to comply with these laws and regulations may result in monetary damages and fines, adverse publicity and a material adverse effect on our business.
- We are or will be subject to anti-corruption and anti-bribery and anti-money laundering and similar laws, and non-compliance with such laws can subject us to administrative, civil and criminal fines and penalties, collateral consequences, remedial measures and legal expenses, all of which could adversely affect our business, results of operations, financial condition and reputation.
- Recent and potential tariffs imposed by the U.S. government or a global trade war could increase the cost of our products, which could have a material adverse effect on our business, financial condition and results of operations.
- Our reliance on suppliers in foreign countries, including China, subjects us to risks and uncertainties relating to foreign laws and regulations and changes in relations between the United States and such foreign countries.
- There can be no assurance that we will be able to comply with the continued listing standards of the NYSE.
- Sales of substantial amounts of our common stock in the public markets, or the perception that such sales could occur, could cause the market price of our common stock to drop significantly, even if our business is doing well.
- There is no guarantee that our warrants will be in the money, and they may expire worthless.

Risks Related to Our Technology, Products and Manufacturing

If our batteries fail to perform as expected, our ability to develop, market and sell our batteries would be adversely affected.

Our batteries may contain defects in design and manufacture that may cause them to not perform as expected or that may require repairs, recalls and design changes. Our batteries are inherently complex and incorporate technology and components that have not been used for certain applications and that may contain defects and errors, particularly when first introduced to such applications. Although our batteries undergo quality control testing prior to release for shipment, there can be no assurance that we will be able to detect and fix all defects prior to shipment, and nonconformances, defects or errors could occur or be present in batteries that we release for shipment to customers. If our batteries fail to perform as expected, our customers may delay deliveries, our customer may terminate orders or we may initiate product recalls, each of which could adversely affect our sales and brand and could adversely affect our business, financial condition, results of operations and prospects.

Our battery architecture is different from our peers' and may behave differently in customer use applications, certain applications of which we have not yet evaluated. This could limit our ability to deliver to certain applications. In addition, our historical data on the performance and reliability of our batteries is limited, and therefore our batteries could fail unexpectedly in the field resulting in significant warranty costs or brand damage in the market. Further, the silicon anode structure of our battery is different from traditional lithium-ion batteries and therefore our batteries could be susceptible to different and unknown failure modes leading our batteries to fail and cause a safety event in the field. Such an event could result in the failure of our end customers' product as well as the loss of life or property, resulting in severe financial penalties for us, including the loss of revenue, cancellation of supply contracts and the inability to win new business due to reputational damage in the market. In addition, some of our supply agreements may require us to bear certain costs relating to recalls and replacements of end products when such recalls and replacements are due to defects of our battery products that are incorporated in such end products.

Our reliance on third parties to manufacture certain of our batteries or battery materials subjects us to certain risks.

Our SiCore batteries are based on the innovative, proprietary material system developed by Berzelius and are currently manufactured by our manufacturing partners. To date, our SiCore batteries have been produced under a toll manufacturing partnership with Berzelius. However, to facilitate this product expansion, we entered into the Exclusive Supply Agreement with Berzelius, pursuant to which Berzelius agreed, among other things, (i) to manufacture for, and sell exclusively to, Amprius its proprietary silicon anode materials in the United States, Canada and Mexico and (ii) to use best efforts to prioritize fulfillment of Amprius' forecasted orders, if any. The Exclusive Supply Agreement does not include any commercial terms, and until such time as we are able to establish mutually agreeable commercial terms thereunder, if we are able to at all, the purchase of the materials under the Exclusive Supply Agreement by Amprius will be specified in written purchase orders mutually agreeable to the parties. In addition, we signed agreements with several contract manufacturers to secure more than 500 MWh of production capacity for our SiCore batteries and are engaging with potential additional partners across a network of established Asia-based contract manufacturers. Our reliance on Berzelius or other third parties to manufacture our batteries or battery materials subjects us to certain risks, including but not limited to:

- Because we have not established commercial terms for future SiCore battery or battery material purchases and, therefore, must agree to commercial terms on each of our purchase orders, if Berzelius or our manufacturing partners increase their prices, we may not be able to establish commercially reasonable terms for future purchases;
- We may purchase SiCore battery materials from Berzelius or our manufacturing partners before we receive purchase orders for our SiCore batteries from our customers, or we may accept purchaser orders for SiCore batteries from our customers before establishing any commercial terms with Berzelius or our manufacturing partners, and if we cannot establish commercially reasonable terms with Berzelius or our manufacturing partners, we may not be able to fulfill customers' orders or we may incur losses when trying to meet our obligations, which may result in our customers seeking alternative batteries, and in turn, we could lose customers and face reputational harm and penalties;
- If any of our manufacturing partners cease to provide manufacturing services to us, either permanently or temporarily, we may be required to arrange for alternative manufacturing arrangements, which we may not be able to arrange on financially attractive terms, on a timely basis or at all;

- We do not control Berzelius or other third party manufacturers, and there is no guarantee that these partners will reserve any capacity for us, they will not have disruptions in their supply chain or manufacturing processes, and that our batteries or battery materials will be delivered to us within the agreed timeline and free from defects;
- If we do not receive the batteries on time or if the batteries contain defects, we may have to delay deliveries, and our customers may terminate their orders or we may initiate product recalls;
- If we are unable to successfully market SiCore batteries manufactured by Berzelius or our manufacturing partners within our product portfolio, our business, financial condition and results of operations will be adversely affected; and
- Although we have exclusive rights to purchase Berzelius' proprietary silicon anode materials in the United States, Canada and Mexico, we do not have exclusivity arrangements with respect to marketing, and there is no guarantee that Berzelius will not compete with us for customers.

In the event any of the above risks, or any other adverse events resulting from our reliance on third parties, including those risks described below, occurs, our business, financial condition, results of operations and prospects may be adversely affected.

We may not succeed in developing new high-volume manufacturing lines that meet our requirements for cell quality, yield, throughput and other performance metrics. Additionally, assuming we are able to develop the high-volume manufacturing lines, they may be unreliable, require regular and significant maintenance and could be capital and resource intensive to operate.

To date, we have manufactured on a kWh-scale capacity. Our ability to manufacture our batteries at scale depends on the successful development of an automated, high-volume manufacturing line for our silicon anode that meets our requirements for cell quality, throughput, yield, and other performance metrics. Currently, we do not have a manufacturing line capable of producing our silicon anode batteries at scale. As part of our manufacturing expansion plans, in addition to designing a GWh-scale manufacturing facility, we are in the process of developing an automated, high-volume manufacturing line.

We have been customizing our first large-scale anode equipment for our production processes and have recently completed the qualification process for this equipment. Before we use the equipment for production purposes, we must complete tuning and testing. There is no guarantee that the customization, development, testing and implementation of this equipment will be successful. In addition, there is no guarantee that we will also be able to correspondingly expand our manufacturing capacity for other battery components. We and our potential suppliers and other equipment vendors may encounter significant engineering challenges, performance issues, delays, unforeseen development costs and other obstacles in building the high-volume manufacturing lines, and if we are not successful, or if we encounter significant delays, our business, financial condition, results of operations and prospects would be adversely affected.

Furthermore, we expect to manufacture both SiCore and SiMaxx batteries at our Colorado facility, beginning with the SiCore batteries. We are reliant on Berzelius and third party manufacturers to provide us the necessary technology and support to build our own manufacturing line to produce the SiCore batteries. In that process, we may encounter significant engineering challenges, performance issues, permitting issues, delays, unforeseen development costs and other obstacles.

In addition, in order for us to produce our batteries at scale and at a cost advantage, we must achieve levels of quality, throughput, and yield demonstrated for mature battery production. As we have not yet produced our batteries at such scale, our ability to achieve such rates is untested and subject to significant constraints and uncertainties. Operational performance and costs can be difficult to predict and are often influenced by factors outside of our control, such as, but not limited to, failures by suppliers to deliver necessary components of our batteries in a timely manner and at prices and volumes acceptable to us, environmental hazards and remediation costs, costs associated with commissioning of machines, difficulty or delays in obtaining governmental permits, damages or defects in electronic systems, industrial accidents, fires, seismic activity and natural disasters, and problems with equipment vendors. Should operational risks materialize, they may result in lower yield, which would negatively affect our revenue growth and profitability.

Additionally, the development of the manufacturing line will require us to make intensive capital expenditures before we are able to benefit from such development. The manufacturing line may also suffer unexpected malfunctions from time to time and will depend on repairs and spare parts to resume operations, which may not be available when needed. Further, unexpected equipment malfunctions may significantly affect the intended operational efficiency.

We may not meet our manufacturing cost targets, which would limit the size of our market opportunities.

We will require significant capital to develop and grow our business and expect to incur significant expenses, including those relating to the expansion of our manufacturing capacity, development and establishment of our high-volume manufacturing lines, raw material procurement, leases, sales and distribution as we build our brand and market our batteries, and general and administrative costs. Our profitability will not only depend on our ability to successfully market our batteries, but also our ability to control our costs. Some of the processes in the manufacturing of our silicon anodes require chemical vapor deposition, for which equipment is more costly than those involved in standard anode production techniques. If we are unable to cost efficiently design, manufacture, market, sell and distribute our batteries, our margins, profitability and prospects would be materially and adversely affected. We have not yet commenced high-volume production of our batteries, and any cost advantage for the production of our batteries at scale, compared to conventional lithium-ion batteries, will require us to manufacture at rates of cell quality, throughput, and yield demonstrated for mature batteries and battery material that we have not yet achieved. If we are unable to achieve these targeted rates, our business will be adversely impacted.

We rely on, and will continue to rely on, complex equipment for our operations, and manufacturing involves a significant degree of risk and uncertainty in terms of operational performance and costs.

We rely heavily on, and will continue to rely heavily on, complex equipment for our operations and the production of our batteries, which involves a significant degree of uncertainty and risk in terms of operational performance and costs. Our manufacturing equipment consists of many components, which may suffer unexpected malfunctions from time to time and may depend on repairs and spare parts to resume operations, which may not be available when needed. Problems with our manufacturing processes could result in the loss of manufacturing equipment, damage to manufacturing facilities, monetary losses, delays, unanticipated fluctuations in production and personal injury to or death of workers. Should our precautions be inadequate or an event be larger than expected, we could have significant equipment or facility damage that would impact our ability to deliver our battery products and require additional resources to recover. In addition, in some cases, operational problems may result in environmental damage, administrative fines, increased insurance costs and potential legal liabilities. Any of these operational problems, or a combination of them could have a material adverse effect on our cash flows, business, financial condition, results of operations or prospects.

Furthermore, manufacturing technology may evolve rapidly, and we may decide to update our manufacturing processes more quickly than expected. Moreover, as we scale the commercial production of our batteries, our experience may cause us to discontinue the use of already installed equipment in favor of different or additional equipment. The useful life of any equipment that would be retired early as a result would be shortened, causing the depreciation on such equipment to be accelerated, and our results of operations could be negatively impacted.

Our establishment of a volume manufacturing facility is subject to many risks, including, among others, risks relating to construction, permitting, delays, cost overruns, supply chain constraints, and operating in a new geographic area away from our headquarters.

Our Fremont, California facility currently operates only at a kWh-scale manufacturing capacity. As part of our manufacturing expansion plans, we are in the process of designing a GWh-scale manufacturing facility for our batteries, concurrently with the development of our high-volume manufacturing lines for our SiMaxx and SiCore batteries. We entered into a lease agreement for premises consisting of approximately 774,000 square feet of space located in Brighton, Colorado, and we are in the process of designing our GWh-scale manufacturing facility on these premises. We may not be successful in establishing our GWh-scale manufacturing facility. The construction schedule for the facility will be determined based on the final design and the timing of funding. During this process, we will continue to monitor broader industry dynamics. Changes in demand, supply, battery cost structure, government incentives, trade tariffs, and other considerations may influence our decisions with respect to the design and build out of the GWh-scale manufacturing facility, including whether to proceed with the project at all. If we decide not to proceed with the project, we may incur significant costs, which may adversely affect us, our financial condition and our growth prospects.

We will need to operate the manufacturing facility in this new geographic area away from our headquarters. Our potential suppliers and other equipment vendors may also encounter delays, additional costs, and other obstacles in building our manufacturing lines, which are currently unknown. Additionally, although we have tested and validated the performance of our SiMaxx batteries on one supplier's platform, there is uncertainty as to whether our planned SiMaxx manufacturing line at the new manufacturing facility will be successful. If we fail to complete the construction in an efficient manner, or fail to recruit the required personnel and generally manage our growth effectively, large-scale production of our SiMaxx batteries could be curtailed or delayed. Further, we also plan to establish a manufacturing line for our SiCore batteries at the Colorado facility. Our ability to manufacture SiCore batteries depends on our ability to enter into a supply agreement with Berzelius under commercially reasonable terms. If we fail to achieve large-scale production

of our SiCore batteries, due to our inability to reach an agreement with Berzelius, or if we encounter significant engineering or other challenges, performance issues, delays, unforeseen development costs and other obstacles in building the manufacturing line for SiCore batteries, we may have to continue purchasing SiCore materials and batteries to support our customers' demands, our results of operations would be negatively impacted.

Achieving capacity at commercial scale of high energy density lithium-ion batteries may require us to make significant and increasing capital expenditures to scale our production capacity and improve our supply chain processes. Further, because our silicon anode process requires different equipment than traditional anode manufacturing, our capital equipment costs are likely to be higher than equipment used for production of graphite anodes. Based on our current expectations, we estimate that our capital equipment expenditures will range between \$75.0 million and \$100.0 million to achieve up to 500 MWh per year of manufacturing capacity, but such estimate does not include costs related to the construction and the build-out of the new manufacturing facility in Colorado. We are continuing the design and pre-construction work of the initial phase of up to 500 MWh, and we expect to build out additional manufacturing in phases thereafter. The construction schedule for the GWh-hour scale facility will be determined based on the final design and the timing of funding. The actual costs and time to complete our silicon anode process may materially exceed such estimates, if we are able to at all. Even if we are successful in the establishment of the new facility, our manufacturing capabilities could be affected by cost-overruns, permitting issues, unexpected delays, equipment failures, supply chain constraints, natural disasters, including earthquakes, fire, floods and typhoons, power failures, telecommunications failures, break-ins, war, riots, terrorist attacks, pandemics, and numerous other factors that could prevent us from realizing the intended benefits of our manufacturing strategy, or cause the loss or corruption of data or malfunctions of software or hardware, and have a material adverse effect on our business.

We may not succeed in retaining and attracting key employees, particularly technical talent, needed to operate and build our business successfully.

Our success depends on our ability to attract and retain our executive officers, key employees and other qualified personnel, particularly technical talent, and as a relatively small company with key talent residing in a limited number of employees, our operations may be severely disrupted if we lost their services. In particular, we are highly dependent on the services of Dr. Kang Sun, our Chief Executive Officer, and other senior technical and management personnel, including our executive officers, who would be difficult to replace.

If Dr. Sun or any other key personnel were to depart, we may not be able to successfully attract and retain senior leadership necessary to grow our business. As we build our brand and become better known, there is increased risk that competitors or other companies will seek to hire our personnel. The failure to attract, integrate, train, motivate and retain these personnel could seriously harm our business and prospects.

In addition, designing, building and operating our new manufacturing facility and large-scale production tools will require us to hire highly skilled personnel, including battery factory design and operations experts. There are currently a limited number of people with this experience in the United States. Recruiting and training skilled engineers, workers and other laborers will take significant cost and time, and an inability to do so timely or at all would inhibit the successful design, build-out and operation of the new manufacturing facility, thus negatively affecting our business and our results of operations.

We have pursued new product platforms and expanded our product portfolio. We may expend our limited resources to pursue a particular product and fail to capitalize on products that may be more profitable or for which there is a greater likelihood of success.

We recently expanded our product portfolio with the addition of SiCore and have made substantial investments to develop new products and enhancements to our existing products. We may forgo or delay pursuit of other opportunities that could have had greater commercial potential. Our resource allocation decisions may cause us to fail to capitalize on viable products or profitable market opportunities. If we fail to pursue products that meet market demand, we may lose our competitive position, our products may become obsolete, and our business, financial condition and results of operations could be adversely affected.

Certain of our officers and directors provide services to Amprius Holdings and other entities formerly affiliated with Amprius Holdings.

Certain of our officers and directors provide services to Amprius Holdings. Also, Dr. Kang Sun, our Chief Executive Officer and a member of our board of directors, serves on the boards of certain entities that were formerly affiliated with

Amprius Holdings, including serving on the board of directors of Berzelius. There could be competition for the time and effort of such officers and directors and, further, potential conflicts of interests in our transactions with such entities. If such officers and directors do not devote sufficient attention to the management and operation of our business or if such conflicts of interest are not resolved, our business and financial results may suffer.

We may encounter delays and technical obstacles in developing new battery products such as different cell formats to meet varied market requirements.

Our customers often require unique battery configurations or custom designs for their products. Once we enter into contracts with customers to produce batteries for their products, we expect to tailor the design of our batteries specifically to the products that these customers manufacture. This development process requires not only substantial lead time between the commencement of design efforts for customized batteries and the commencement of volume shipments of the battery cells to the customer, but also the cooperation and assistance of the customer in order to determine the requirements for each specific application. Technical problems may arise that affect the acceptance of our battery products by the customers. Our ability to tailor our batteries to meet the needs of our customers is affected by whether we can, amongst other things:

- receive and maintain necessary intellectual property protections;
- obtain governmental approvals and registrations;
- comply with governmental regulations;
- further develop and refine our technology; and
- anticipate customer needs and preferences successfully.

If we are unable to design and develop new battery products that meet our customers' requirements, we may lose opportunities to obtain purchase orders, and our reputation and prospects may be damaged.

Certain components of our batteries are hazardous and pose safety risks that may cause accidents in our manufacturing facility. We may be subject to financial and reputational risks due to product recalls and product liability claims, and we could face substantial liabilities that exceed our resources.

Due to the high energy density inherent in lithium-ion batteries, our batteries can pose certain safety risks, including the risk of fire. Accidents causing death, personal injury or property damage, can occur, and no high energy density battery will ever be 100% safe. For example, under certain abuse conditions, lithium-ion batteries can go into thermal runaway, which can result in fire. Although we incorporate safety procedures in the research, development, manufacture and transportation of our batteries that are designed to minimize safety risks, the manufacture or use of our battery products may still cause accidents. Any accident, whether occurring at our manufacturing facilities or from the use of our battery products, may result in significant production interruption, delays or claims for substantial damages caused by personal injuries or property damage.

In addition, due to the harsh environments in which batteries are used including extremely low temperature and pressure, and combat for military applications, our batteries go through rigorous testing to ensure safe behavior under abuse-case conditions. Although such tests have been successful to date, we cannot assure you such tests will be successful in the future. If we have to make design changes to address any safety issues, we may have to delay or suspend our planned production, which could materially damage our brand, business, financial condition, results of operations and prospects.

Product liability claims, even those without merit or those that do not involve our battery products, could harm our business, financial condition, results of operations and prospects.

A successful product liability claim against us, resulting from safety issues or otherwise, could require us to pay a substantial monetary award. We may not be able to cover any substantial monetary judgment against us. Moreover, a product liability claim against us or our competitors could generate substantial negative publicity about our battery products and could have a material adverse effect on our brand, business, financial condition, results of operations and prospects.

We may not be able to accurately estimate the future supply and demand for our batteries, which could result in a variety of inefficiencies in our business and hinder our ability to generate revenue. If we fail to accurately predict our manufacturing requirements, we could incur additional costs or experience delays.

We anticipate being required to provide forecasts of our demand to our current and future suppliers prior to the scheduled delivery of products to potential customers. Currently, there is limited historical basis for making judgments on the demand for our batteries and our ability to develop, manufacture, and deliver our battery products. Our customers' final purchase orders may not be consistent with our estimates. If we overestimate our requirements, our suppliers may deliver excess inventory, which indirectly would increase our costs and may result in unprofitable sales or write-offs. Given that our batteries are often customized to meet our customers' specifications, they are susceptible to obsolescence due to their limited shelf life. Because we have no history of large-scale production, we may also be unable to forecast accurately the pace of manufacturing or the take-up of our battery products by our customers.

If we underestimate our requirements, our suppliers may have inadequate inventory, which could interrupt manufacturing of our battery products and result in delays in shipments and revenues. In addition, lead times for materials and components that our suppliers order may vary significantly and depend on factors unique to the specific supplier, contract terms and demand for each component at a given time. If we fail to order sufficient quantities of battery components in a timely manner, the delivery of our batteries to our potential customers could be delayed, which would harm our business, financial condition and results of operations. Producing additional battery products to make up for any shortages within a short time frame may be difficult, making us unable to fulfill the purchase orders, especially due to the customized nature of our batteries. In either case, our business, financial condition, results of operations and prospects may be adversely affected.

We may not be able to establish supply relationships for necessary materials, components or equipment or may be required to pay more than anticipated for components or equipment, which could negatively impact our business.

We rely on third party suppliers, including Berzelius and other manufacturing partners, for batteries and components necessary to develop and manufacture our batteries, including key supplies such as our silane gas, substrate foil, electrolytes, separators, and cathode materials. We face risks relating to the availability of these materials and components, including that we will be subject to demand shortages and supply chain challenges and generally may not have sufficient purchasing power to eliminate the risk of price increases for the raw materials and lines we need. For example, we expect to procure the silane gas needed for our GWh-scale manufacturing facility in Colorado from one vendor, a global supplier of silane and silicon materials; however, we expect that they may not be able to supply the volume required for highly scaled production. We are also in the process of collaborating with other key suppliers but have not yet entered into agreements for the supply of scaled production quantities of these materials. To the extent that we are unable to enter into commercial agreements with these suppliers on beneficial terms, or these suppliers experience difficulties ramping up their supply of materials to meet our requirements, high-volume production of our batteries will be delayed and we will not be able to meet our production timelines.

Separately, we may be subject to various supply chain requirements regarding, among other things, conflict minerals and labor practices. We may be required to incur substantial costs to comply with these and potential future requirements, which may include locating new suppliers to replace existing ones. We may not be able to find any new suppliers for certain raw materials or components required for our operations, or such suppliers may be unwilling or unable to provide us with products.

We expect to incur significant costs related to procuring various materials required to manufacture and assemble our batteries that will require us to negotiate purchase agreements and delivery lead-times on advantageous terms. We may not be able to control fluctuation in the prices for these materials or negotiate agreements with suppliers on terms that are beneficial to us. Substantial increases in the prices for our raw materials, or our inability to reduce our raw material costs as we scale, would negatively impact our prospects.

Any disruption in the supply of components or materials could temporarily disrupt research and development activities or production of our batteries until an alternative supplier is able to supply the required material. Changes in business conditions, unforeseen circumstances, governmental and regulatory changes, and other factors beyond our control or which we do not presently anticipate, could also affect our suppliers' ability to deliver components to us on a timely basis. Any of the foregoing could materially and adversely affect our business, financial condition, results of operations and prospects.

We are actively monitoring the impacts of armed conflicts between Russia and Ukraine and in the Middle East and are continuing to assess their potential to adversely affect our business. Our business has not been directly impacted by these ongoing armed conflicts, as we have no assets or operations, and we have not purchased materials from Russia, Belarus, Ukraine or the Middle East. To date, we have not experienced any material disruption in our business. Accordingly, we have not yet taken measures to mitigate potential adverse effects of such armed conflicts. However, the

length and outcome of such conflicts is highly unpredictable. These conflicts may continue to cause significant market and other disruptions, including significant volatility in commodity prices, supply of components and supply chain interruptions, which could adversely affect our business, financial condition, results of operations and prospects.

Currency fluctuations, geopolitics, trade barriers, embargoes, tariffs or shortages and other general economic or political conditions may limit our ability to obtain key components for our batteries or significantly increase freight charges, raw material costs and other expenses associated with our business, which could materially and adversely affect our business, financial condition, results of operations and prospects.

Risks Related to Our Business and Industry

The battery market is intensely competitive. Competitors include new entrants and established companies, many of which have significantly greater resources than us. Our battery products must compete with advances in new battery chemistries and manufacturing methods as well as continued improvements in conventional batteries and battery anodes.

The battery market in which we compete continues to evolve rapidly and is highly competitive. To date, we have focused our efforts on our silicon anode technology, which is designed to outperform conventional lithium-ion battery technology and other battery technologies. However, lithium-ion battery technology has been widely adopted and our current competitors have, and future competitors may have, greater resources than us and may also be able to devote greater resources to the development of their current and future technologies. These competitors also may have greater access to customers and may be able to establish cooperative or strategic relationships amongst themselves or with third parties that may further enhance their resources and competitive positioning. In addition, lithium-ion battery manufacturers may make improvements in energy density faster than they have historically, continue to reduce cost and expand supply of conventional batteries and therefore reduce our energy density advantage, which would negatively impact the prospects for our business or negatively impact our ability to sell our battery products at a market-competitive price and with sufficient margins.

There are a number of companies seeking to develop alternative approaches to lithium-ion battery technology. We expect competition in battery technology to intensify. Developments in alternative technologies or improvements in batteries technology made by competitors may materially adversely affect the sales, pricing and gross margins of our batteries. If a competing technology is developed that has superior operational or price performance, or if we fail to accurately predict and ensure that our battery technology can address customers' changing needs or emerging technological trends, or if our customers fail to achieve the benefits expected from our silicon anode technology, our business prospects would be adversely affected.

We expect to commit significant resources to scale our battery manufacturing capacity and maintain a competitive position, and these commitments may be made without knowing whether such investments will result in products potential customers will accept. There is no assurance we will successfully identify new customer requirements, develop and bring our batteries to market on a timely basis, or that products and technologies developed by others will not render our batteries obsolete or noncompetitive, any of which would adversely affect our business, financial condition and results of operations.

Customers will be less likely to purchase our batteries if they are not convinced that our business will succeed in the long term. Similarly, suppliers and other third parties will be less likely to invest time and resources in developing business relationships with us if they are not convinced that our business will succeed in the long term. Accordingly, in order to build and maintain our business, we must maintain confidence among current and future partners, customers, suppliers, analysts, ratings agencies and other parties in our long-term financial viability and business prospects. Maintaining such confidence may be particularly complicated by certain factors including those that are largely outside of our control, such as our limited operating history, market unfamiliarity with our battery products, any delays in scaling manufacturing, delivery and service operations to meet demand, competition and uncertainty regarding our production and sales performance compared with market expectations.

Our future sales opportunities depend in part on the growth of markets for battery-powered applications. These applications may develop slower or at a size that is less than expected, to the extent they develop at all.

Our growth and future demand for our battery products is dependent in part upon the adoption by consumers of alternative fuel vehicles in general and battery-powered aviation applications and other electrically powered modes of transportation in particular. The market for new energy vehicles is still evolving, characterized by changing technologies, competitive pricing and competitive factors, evolving government regulation and industry standards, and changing consumer demands and behaviors.

Market estimates and growth forecasts are also subject to significant uncertainty and are based on assumptions and estimates that may prove to be inaccurate. For example, if the assumptions that we base our market forecasts on, including the continued development and availability of high performance batteries at a competitive price point, original equipment manufacturers (“OEM”) investment in aircraft, cars and software, consumer preference and, with respect to electric air transportation, regulatory approval and the requisite infrastructure, are incorrect, this expected growth may occur slower than expected, if it occurs at all. If the market for battery-powered applications in general does not develop as expected, or develops more slowly than expected, our business, financial condition, prospects and results of operations could be adversely affected.

Developments in alternative technology or other fossil fuel alternatives may adversely affect the demand for our battery products.

Significant developments in alternative technologies, such as fuel cell technology, advanced diesel, ethanol or natural gas, or breathing batteries, may materially and adversely affect our business, financial condition, results of operations and prospects in ways that we may not currently anticipate. Existing and other battery technologies, fuels or sources of energy may emerge as customers’ preferred alternatives to our battery products. Any failure by us to develop new or enhanced technologies or processes, or to react to changes in existing technologies, could materially delay our development and introduction of new and enhanced alternative products, which could result in decreased revenue and adversely affect our prospects.

Our research and development efforts may not be sufficient to adapt to changes in alternative fuels or aviation and EV technology. As technologies evolve, we plan to develop more efficient manufacturing processes, and advanced battery chemistry, which may also negatively impact the adoption of our other battery products. However, we may not compete effectively with alternative systems if we are not able to develop, source and integrate the latest technology into our battery products.

We have pursued and may continue to pursue development agreements and other strategic alliances, which could have an adverse impact on our business if they are unsuccessful.

We have entered into development agreements and master supply agreements with certain of our customers, and may in the future enter into similar arrangements and development agreements with our customers, including with AALTO Airbus and the U.S. Army. While offering potential benefits, these strategic alliances with OEMs and others could subject us to a number of risks, including risks associated with sharing proprietary information, non-performance by our partners and costs of establishing and maintaining new strategic alliances, any of which may materially and adversely affect our business. We may have limited ability to monitor or control the actions of our partners and, to the extent any of them suffers negative publicity or harm to their reputation from events relating to their business, we may also suffer negative publicity or harm to our reputation by virtue of our association with them. For example, if we rely on our partners’ manufacturing facilities, those operations would be outside of our control. We could experience delays if our partners do not meet agreed-upon timelines or experience capacity constraints, and in turn, we could lose customers and face reputational harm.

Our ability to grow will depend, in part, on our ability to contract with aviation and EV OEMs to incorporate our batteries in their products, which will require significant time and expense, and may not come to fruition.

Our success, and our ability to increase revenue and operate profitably, depends in part on our ability to contract with aviation and EV OEMs. This process will require significant time and resources, especially for incorporation into EVs. For example, EV manufacturers frequently require several years of evaluation prior to incorporating new products, like our batteries, into their EVs. This evaluation process includes, among other things, extensive safety and abuse tests, performance tests and cost modeling. We have not begun this process with any EV manufacturers. Thus, our efforts to expand our manufacturing and sales to OEMs may not be successful, and may never result in products that achieve market acceptance, create additional revenue or become profitable, thus adversely impacting our business, financial condition, results of operations and prospects.

Our research and development efforts strive to create products that are on the cutting edge of technology and meeting the evolving requirements of our customers, but competition in our industry is high. To secure acceptance of our battery products, we must also constantly develop and introduce cost-effective, increasingly more scalable silicon anode batteries with enhanced functionality and performance to meet evolving industry standards. If we are unable to retain and grow our existing customer relationships, or convert early trial deployments into meaningful orders, our business, financial condition, results of operations and prospects could be materially adversely affected.

If existing customers do not make subsequent purchases from us or renew their contracts with us, our revenue could decline, and our results of operations would be adversely impacted.

We derive a significant portion of our revenue from existing customers that expand their relationships with us. Increasing the size and number of the deployments of our existing customers is an important part of our growth strategy. We may not be effective in executing this or any other aspect of our growth strategy.

For our customers who individually represent 10% or more of our revenue, four customers together accounted for approximately 59% and 89% of our revenue during the three months ended September 30, 2024 and 2023, respectively, and three and four customers together accounted for approximately 37% and 71% of our revenue during the nine months ended September 30, 2024 and 2023, respectively. Certain of our customers, including customers that represent a significant portion of our business, have in the past reduced their spend with us or terminated their agreements with us, which has reduced our anticipated future cash receipts or revenue from these customers. It is not possible for us to predict the future level of demand from our larger customers for our battery products, and there can be no assurance that our existing customers will continue to purchase from us.

Achieving renewal or expansion of deployments may require us to increasingly engage in sophisticated and costly sales efforts that may not result in additional sales. In addition, our customers' decisions to expand the use of our battery products depends on a number of factors, including general economic conditions, the functioning of our batteries, and our customers' satisfaction with our battery products. If our efforts to expand within our existing customer base are not successful, our business may suffer.

If our customers choose to reduce purchases, or do not purchase at all, batteries manufactured outside of the United States, our revenue could decline and our prospects may be adversely affected.

Our SiCore batteries are based on the innovative, proprietary material system developed by Berzelius, which is a Chinese corporation, and are currently manufactured by our manufacturing partners in China. Our customers may choose to reduce future purchases, or not purchase at all, SiCore batteries manufactured outside of the United States. As such, if the construction of our large-scale facility or our development of manufacturing lines that can produce SiCore batteries are delayed, our business and prospects may be materially and adversely affected.

We will require additional capital to support business growth, and this capital might not be available on commercially reasonable terms or at all.

We will need additional capital before we commence production at scale, and it may not be available on acceptable terms, if at all. For example, our capital budget assumes, among other things, that our development timeline progresses as planned and our corresponding expenditures are consistent with current expectations, both of which are subject to various risks and uncertainties, including those described herein, and, as needed, that we are able to utilize the At Market Financing.

More specifically, while the construction schedule for our GWh-scale manufacturing facility will be determined based on the final design and the timing of funding, we expect our capital expenditures and working capital requirements may increase materially, as we construct our automated, high-volume manufacturing lines and scale up production. Based on our current expectations, we estimate that our capital equipment expenditures will range between \$75.0 million and \$100.0 million to achieve up to 500 MWh per year of manufacturing capacity, but such estimate does not include costs related to the construction and build-out of the new manufacturing facility. Additionally, we expect our operating expenses may increase substantially on account of increased headcount and other general and administrative expenses necessary to support a rapidly growing company.

As a result, we expect to need to access the debt and equity capital markets, including through the At Market Financing, to obtain additional financing in the future. However, these sources of financing may not be available on acceptable terms, or at all. Our ability to obtain additional financing will be subject to a number of factors, including:

- market conditions;
- the level of success with our current manufacturing capabilities;
- our operating performance;
- investor sentiment; and
- our ability to incur debt in compliance with any agreements governing our then capital structure.

Further, abrupt political change, terrorist activity, and armed conflict has had an impact on the global economy and financial markets. Although our business has not been directly impacted by such events, as we have no assets or operations, and we have not purchased materials from, Russia, Belarus, Ukraine or the Middle East, it is impossible to predict the extent to which our operations, or those of our customers, suppliers and manufacturers, will be impacted in the short and long term, or the ways in which the conflict may impact our business. The extent and duration of military action, sanctions and resulting market disruptions are impossible to predict, but could be material.

In addition, actual events involving limited liquidity, defaults, non-performance or other adverse developments that affect financial institutions or the financial services industry generally, or concerns or rumors about any events of these kinds or other similar risks, have in the past and may in the future lead to market-wide liquidity challenges. These factors may make the timing, amount, terms or conditions of additional financings unattractive to us. If we raise additional funds by issuing equity, equity-linked or debt securities, those securities may have rights, preferences or privileges senior to the rights of our currently issued and outstanding equity or debt, and our existing stockholders may experience dilution. If we are unable to generate sufficient funds from operations, raise additional capital or access our existing funds, we may be forced to take actions to reduce our capital or operating expenditures, including by eliminating redundancies, or reducing or delaying our production facility expansions, which may adversely affect our business, financial condition, results of operations and prospects.

It is not possible to predict the actual number of shares we will sell under the Sales Agreement, if any, or the gross proceeds resulting from those sales.

Under the Sales Agreement, we may offer and sell, from time to time, through the Sales Agents, shares of our common stock with an aggregate offering price of not more than \$100.0 million.

Subject to certain limitations in the Sales Agreement and compliance with applicable law, we have the discretion to deliver a placement notice to any Sales Agents at any time throughout the term of the Sales Agreement. The number of shares that are sold to or through the Sales Agents after delivering a placement notice will fluctuate based on a number of factors, including the market price of our common stock during the sales period, the limits we set with the Sales Agents in any applicable placement notice, and the demand for, and trading volume of, our common stock during the sales period. Because the price per share of each share sold will fluctuate during the sales period, it is not possible to predict the number of shares that will be sold or the gross proceeds to be raised in connection with such sales.

Our future growth and success depend in part on our ability to grow our customer base and effectively sell to a wide variety of customers.

Our future success will depend on our ability to grow our customer base and effectively sell to a wide variety of customers. Potential customers include manufacturers of products that tend to be large enterprises or governmental agencies. Sales to these end-customers involve risks that may not be present (or that are present to a lesser extent) with sales to smaller customers. These risks include, but are not limited to, (i) increased purchasing power and leverage held by large customers in negotiating contractual arrangements with us and (ii) longer sales cycles and the associated risk that substantial time and resources may be spent on a potential end-customer that elects not to purchase our solutions.

Large organizations often undertake a significant evaluation process that results in a lengthy sales cycle. In addition, product purchases by large organizations are frequently subject to budget constraints, multiple approvals and unanticipated administrative, processing and other delays. Finally, large organizations typically have longer implementation cycles, require greater product functionality and scalability, require a broader range of services, demand that vendors take on a larger share of risks, require acceptance provisions that can lead to a delay in revenue recognition and expect greater payment flexibility. All of these factors can add further risk to business conducted with these potential customers.

If we were unable to maintain or increase our customer retention rates or generate new customers in a cost-effective manner, our business, financial condition and results of operations would likely be adversely affected. We cannot assure you that we will be able to maintain or grow our customer base in a cost-effective way. If we are unable to develop high quality products at scale, or introduce new products, we may fail to attract new customers or lose our existing customers, which could adversely affect our growth and profitability.

Our business model has yet to be tested and any failure to realize our strategic plans would have an adverse effect on our operating results and business, harm our reputation and could result in substantial liabilities that exceed our resources.

There is additional risk associated with new enterprises like Amprius, that are encountering new challenges and issues for the first time, many of which are beyond our control, including substantial risks and expenses in the course of establishing or entering new markets, implementing novel manufacturing processes, organizing operations and undertaking marketing activities. The likelihood of our success must be considered in light of these risks, expenses, complications, delays and the competitive environment in which we operate. There is, therefore, nothing at this time upon which to base an assumption that our business plan will prove successful, and we may not be able to generate significant revenue, raise additional capital or operate profitably. We will continue to encounter risks and difficulties frequently experienced by early commercial stage companies, including scaling up our infrastructure and headcount, and may encounter unforeseen expenses, difficulties or delays in connection with our growth. In addition, as a result of the capital requirements of our business, we can be expected to continue to sustain substantial operating expenses without generating sufficient revenue to cover expenditures. Any investment in our company is therefore highly speculative and could result in the loss of some or all of your entire investment.

It is difficult to predict our future revenues and appropriately budget for our expenses, and we have limited insight into trends that may emerge and affect our business. In the event that actual results differ from our estimates or we adjust our estimates in future periods, our business, financial condition, results of operations and prospects could be materially affected.

We are an early-stage company with a history of financial losses and expect to incur significant expenses and continuing losses for the foreseeable future.

We have incurred significant operating losses since our inception. For example, our revenue was \$7.9 million and \$13.5 million during the three and nine months ended September 30, 2024 and \$2.8 million and \$5.1 million during the three and nine months ended September 30, 2023, respectively, and we generated net losses of \$10.9 million and \$33.3 million during the three and nine months ended September 30, 2024 and \$8.5 million and \$27.0 million during the three and nine months ended September 30, 2023, respectively. We believe that we will continue to incur operating and net losses each fiscal quarter until at least the time we begin scaled production of our batteries.

We expect the rate at which we will incur losses to be significantly higher in future periods as we, among other things: continue to incur significant expenses in connection with building out our high-volume manufacturing facility and manufacturing lines; endeavor to hire the experienced scientific, quality-control, and manufacturing personnel needed to operate our scaled manufacturing processes; increase our sales and marketing activities; develop our distribution infrastructure; and increase our general and administrative functions to support our growing operations. We may find that these efforts are more expensive than we currently anticipate or that these efforts may not result in revenues, which would further increase our losses.

If we fail to effectively manage our future personnel growth, we may not be able to market and sell our batteries successfully.

Our future success depends upon our ability to grow, and if we are unable to manage our personnel growth effectively, we may incur unexpected expenses and be unable to meet our eventual customers' requirements, all of which could materially adversely affect our business, financial condition, results of operations and prospects. To manage our current and anticipated future growth effectively, we must continue to maintain and enhance our infrastructure, financial and accounting systems, and controls. We must also attract, train and retain a significant number of scientists, engineers, sales and marketing personnel, technical and manufacturing personnel, and management personnel, and the availability of such personnel may be constrained. See above for more information about the risk on retaining and attracting key employees.

As we continue to grow, including from the integration of employees and businesses acquired in connection with future acquisitions, we may find it difficult to maintain important aspects of our corporate culture, which could negatively affect our profitability and our ability to retain and recruit qualified personnel who are essential for our future success. If we do not effectively manage our growth, we may not be able to execute on our growth plan, respond to competitive pressures, take advantage of market opportunities, satisfy customer requirements or manufacture high-quality battery products. Additionally, we may not be able to expand and upgrade our infrastructure to accommodate future growth.

Failure to effectively manage our growth could also lead us to over-invest or under-invest in development and operations; result in weaknesses in our infrastructure, systems or controls; give rise to operational mistakes, financial losses, loss of productivity or business opportunities; and result in loss of employees and reduced productivity of remaining employees. Our growth is expected to require significant capital expenditures, which may lower our earnings, and may divert financial resources from other projects such as the development of new products and services. If we are unable to

manage our growth effectively, our expenses may increase more than expected, our revenue may not increase or may grow more slowly than expected and we may be unable to implement our business strategy.

Certain members of our management do not have experience in operating a public company.

Certain of our executive officers have limited experience in the management of a publicly traded company. Public companies are subject to significant regulatory oversight and reporting obligations under federal securities laws and the continuous scrutiny of securities analysts and investors. As a result, we may be required to pay higher outside legal, accounting or consulting costs than our competitors, and our management team members may have to devote a higher proportion of their time to issues relating to compliance with the laws applicable to public companies, both of which might put us at a disadvantage relative to competitors.

Our insurance coverage may not be adequate to protect us from all business risks.

We may be subject, in the ordinary course of business, to losses resulting from product liability, accidents, acts of God, and other claims against us, for which we may have no insurance coverage. As a general matter, the policies that we do have may include significant deductibles or self-insured retentions, and we cannot be certain that our insurance coverage will be sufficient to cover all future losses or claims against us. A loss that is uninsured or which exceeds policy limits may require us to pay substantial amounts, which could adversely affect our business, financial condition and results of operations.

Our cash and cash equivalents could be adversely affected if the financial institutions in which we hold our cash and cash equivalents fail.

We regularly maintain cash balances at third party financial institutions, including Silicon Valley Bank, in excess of the Federal Deposit Insurance Corporation insurance limit. Silicon Valley Bank's temporary failure to return certain of our deposits in March 2023 briefly impacted access to our invested cash or cash equivalents, and a similar failure of a depository institution to return these deposits, or if a depository institution is subject to other adverse conditions in the financial or credit markets, could further impact access to our invested cash or cash equivalents and could adversely impact our operating liquidity and financial performance.

We have previously identified material weaknesses in our internal controls over financial reporting. If we are unable to develop and maintain an effective system of internal controls and procedures required by Section 404(a) of the Sarbanes-Oxley Act, we may not be able to accurately report our financial results in a timely manner, which may adversely affect investor confidence in us and materially and adversely affect our stock price, business and operating results.

Effective internal control over financial reporting is necessary for us to provide reliable financial reports in a timely manner. We previously identified two material weaknesses in our internal control over financial reporting that have not been remediated as of September 30, 2024. 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 our annual or interim financial statements will not be prevented or detected on a timely basis.

The previously identified material weaknesses pertained to the inadequate design and maintenance of internal controls over our financial reporting and close activities and inadequate segregation of duties. More specifically, the material weaknesses were attributed to our inadequate controls on our implementation, use and monitoring of certain new application systems that were implemented during 2023, which resulted in inadequate review of certain transactions. In order to address these identified material weaknesses, we are enhancing our control activities on our application systems, including removing inappropriate level of access on those application systems by our employees, enhancing our controls on our review of transactions entered into our accounting system, and engaging external specialists to assist us in reviewing, testing and monitoring our internal controls on a periodic basis. Our management believes that these actions will enable us to address the material weaknesses that were identified in a timely manner and maintain a properly designed and effective system of internal control over financial reporting and provide appropriate segregation of duties. However, these remediation measures may be time consuming and costly and there is no assurance that these initiatives will ultimately have the intended effects.

We plan to continue to assess our internal controls and procedures and intend to take further action as necessary or appropriate to address any other matters we identify. We cannot assure you that the measures we have taken to date and may take in the future, will be sufficient to remediate the control deficiencies that led to our material weaknesses in internal control over financial reporting or that it will prevent or avoid potential future material weaknesses. The effectiveness of

our internal control over financial reporting is subject to various inherent limitations, including cost limitations, judgments used in decision making, assumptions about the likelihood of future events, the possibility of human error and the risk of fraud. If we are unable to remediate our current material weaknesses or any material weaknesses in the future, our ability to record, process and report financial information accurately, and to prepare financial statements within the time periods specified by the forms of the SEC, could be adversely affected which, in turn, may adversely affect our reputation and business and the market price of our common stock. In addition, any such failures could result in litigation or regulatory actions by the SEC or other regulatory authorities, loss of investor confidence, delisting of our securities and harm to our reputation and financial condition, or diversion of financial and management resources from the operation of our business.

In addition, it is possible that control deficiencies could be identified by our management, by our independent registered public accounting firm in the future or may occur without being identified. Such a failure could result in regulatory scrutiny and cause investors to lose confidence in our reported financial condition, lead to a default under future indebtedness and otherwise have a material adverse effect on our business, financial condition, cash flow or results of operations.

As a public company, we are required, pursuant to Section 404 of the Sarbanes-Oxley Act, to furnish a report by management on, among other things, the effectiveness of our internal control over financial reporting for annual reports on Form 10-K that we file with the SEC. Future assessments will need to include disclosure of any material weaknesses identified by our management on our internal control over financial reporting. Eventually, it is possible that our independent registered public accounting firm will also be required to audit the effectiveness of our internal control over financial reporting in future annual reports on Form 10-K to be filed with the SEC. We are required to disclose changes made on our internal control over financial reporting on a quarterly basis. Failure to comply with the Sarbanes-Oxley Act could potentially subject us to sanctions or investigations by the SEC, the applicable stock exchange or other regulatory authorities, which would require additional financial and management resources. We have begun the process of compiling the system and processing documentation necessary to perform the evaluation needed to comply with Section 404 in the future, but we may not be able to complete our evaluation, testing and any required remediation in a timely fashion.

Our ability to utilize our net operating losses, tax credit carryforwards, and certain other tax attributes to offset future taxable income may be subject to certain limitations.

In general, under Section 382 of the Internal Revenue Code, a corporation that undergoes an “ownership change” is subject to limitations on its ability to use its pre-change net operating loss carryforwards (“NOLs”) to offset future taxable income. The limitations apply if a corporation undergoes an “ownership change,” which is generally defined as a greater than 50 percentage point change (by value) in its equity ownership by certain stockholders over a three-year period. If we experienced an ownership change at any time since our incorporation, we may already be subject to limitations on our ability to utilize our existing NOLs and other tax attributes to offset taxable income or tax liability. In addition, future changes in our stock ownership, which may be outside of our control, may trigger an ownership change. Similar provisions of state tax law may also apply to limit our use of accumulated state tax attributes. As a result, even if we earn net taxable income in the future, our ability to use our NOL carryforwards and other tax attributes to offset such taxable income or tax liability may be subject to limitations, which could potentially result in increased future income tax liability to us. Further, because we and Amprius Holdings were members of a consolidated group for U.S. federal income tax purposes up to September 14, 2022, the closing date of our business combination with Kensington Capital Acquisition Corp. IV (“Kensington”), NOLs and our other tax attributes are available to be utilized by any member of the consolidated group. Accordingly, our existing NOLs and other tax attributes may not be available to offset future income tax liabilities.

There is also a risk that changes in law or regulatory changes made in response to the need for some jurisdictions to raise additional revenue to help counter the fiscal impact from the COVID-19 pandemic or for other unforeseen reasons, including suspensions on the use of net operating losses, tax credits, and other tax attributes, possibly with retroactive effect, may result in our existing net operating losses, tax credits, or other tax attributes expiring or otherwise being unavailable to offset future income tax liabilities. Also, the Tax Cuts and JOBS Act requires taxpayers to capitalize research and development expenditures and to amortize domestic expenditures over five years and foreign expenditures over 15 years. If Congress does not modify or repeal this provision, it may result in the acceleration of future taxable income (and associated income tax liabilities) for us. Any resulting income tax liabilities may reduce our future cash flows.

The IRS or other taxing authority could assert income tax liability against us, notwithstanding the provisions of the Tax Sharing Agreement.

Under a tax sharing agreement with Amprius Holdings (the “Tax Sharing Agreement”), Amprius Holdings agreed to indemnify us for potential U.S. federal income tax liabilities of the U.S. federal consolidated group of which we and

Amprius Holdings were members (and any similar consolidated, combined or unitary tax group for state tax purposes) for taxable periods prior to (and including) September 14, 2022 (each such period, a “Consolidated Return Year”). The Tax Sharing Agreement also provides that Amprius Holdings will generally control any tax returns and any tax audits or other proceedings for the taxes addressed by the Tax Sharing Agreement. However, the Tax Sharing Agreement is not binding on the IRS or other state taxing authority, and does not prevent the IRS or other state taxing authority from asserting a tax claim against us for any of our or Amprius Holdings’ unpaid income tax liabilities for any Consolidated Return Year. If that were to occur, we would be entitled to seek indemnification against Amprius Holdings for payment of any amounts on such claims. Our ability to make and receive payment on such potential claims would likely be adversely impacted as a result of Amprius Holdings’ liquidating distribution of the substantial majority of its shares of our common stock. To the extent Amprius Holdings is unable to indemnify us under the Tax Sharing Agreement, our business and financial results may be materially and adversely affected.

The unavailability, reduction or elimination of government and economic incentives could have a material adverse effect on our business, financial condition, results of operations and prospects.

We benefit from certain government subsidies and economic incentives from time to time, including tax credits, rebates and other incentives that support the development and adoption of clean energy technology. For example, the Inflation Reduction Act of 2022 introduces or extends a number of tax credits to promote clean energy development. We cannot assure you that we will be able to benefit from such programs or that these subsidies and incentive programs will be available to us at the same or comparable levels in the future.

We have received commitments of state and local incentive packages providing approximately \$10.0 million in total tax incentives relating to our design and buildout of a GWh-scale facility in Brighton, Colorado. Specifically, the Colorado Economic Development Commission approved up to approximately \$5.5 million in Job Growth Incentive Tax Credits for us, over an eight-year period, which are contingent upon us meeting net new job creation and salary requirements. The City of Brighton also approved incentives with a total estimated value of approximately \$0.9 million, including a five-year property tax rebate of 100% and a 50% rebate on the city’s use tax collected on construction materials. In addition, the Adams County Regional Economic Partnership approved incentives in the form of tax abatement with performance-based contingencies. If we are not able to achieve the performance-based goals set for the incentives, we may not receive any funding or benefits from the state and local governments of Colorado.

Further, government incentives are subject to uncertainties and may be discontinued at any time. For example, in October 2022, we were awarded a \$50.0 million cost sharing grant from the United States Department of Energy (“DOE”). The cost sharing grant was dependent on the successful negotiation of a final contract. In June 2023, we and the DOE mutually agreed to discontinue the negotiation of the cost sharing grant.

Any reduction, elimination or discriminatory application of government subsidies and economic incentives because of policy changes, or the reduced need for such subsidies and incentives due to the perceived success of clean and renewable energy products or other reasons, may require us to seek additional financing, which may not be obtainable on commercially attractive terms or at all, and may result in the diminished competitiveness of the battery cell industry generally or our silicon anode battery cells in particular. Any change in the level of subsidies and incentives from which we benefit could materially and adversely affect our business, financial condition, results of operations and prospects.

We have customers from the public sector, and our failure to receive and maintain government contracts or changes in the contracting or fiscal policies of the public sector could have a material adverse effect on our business.

We have contracts with the U.S. government (as a prime contractor or subcontractor), and we believe that the success and growth of our business will continue to include successful procurement of, and maintenance of, government contracts.

Sales to government agencies are subject to a number of challenges and risks. Selling to government agencies can be highly competitive, expensive, and time-consuming, often requiring significant upfront time and expense without any assurance that these efforts will generate a sale. We also must comply with laws and regulations relating to the formation, administration, and performance of contracts, which provide public sector customers rights, many of which are not typically found in commercial contracts.

Accordingly, our business, financial condition, results of operations and prospects may be adversely affected by certain events or activities, including, but not limited to:

- changes in fiscal or contracting policies or decreases in available government funding;
- changes in government programs or applicable requirements;

- changes in the political environment, including before or after a change to the leadership within the government administration, and any resulting uncertainty or changes in policy or priorities and resultant funding;
- appeals, disputes, or litigation relating to government procurement, including but not limited to bid protests by unsuccessful bidders on potential or actual awards of contracts to us or our partners by the government;
- the adoption of new laws or regulations or changes to existing laws or regulations;
- influence by, or competition from, third parties with respect to pending, new, or existing contracts with government customers; and
- increased or unexpected costs or unanticipated delays caused by other factors outside of our control, such as performance failures of our prime contractors or subcontractors.

Any such event or activity, among others, could cause governments and governmental agencies to delay or refrain from purchasing our battery products in the future, reduce the size or payment amounts of purchases from existing or new government customers, or otherwise have an adverse effect on our business, financial condition, results of operations and prospects.

Government contracts often also contain provisions and are subject to laws and regulations that provide government customers with additional rights and remedies not typically found in commercial contracts. These rights and remedies allow government customers, among other things, to:

- terminate existing contracts for convenience;
- reduce orders under or otherwise modify contracts;
- for contracts subject to the Truth in Negotiations Act, reduce the contract price or cost where it was increased because a contractor or subcontractor furnished cost or pricing data during negotiations that was not complete, accurate, and current;
- for some contracts, (i) demand a refund, make a forward price adjustment, or terminate a contract for default if a contractor provided inaccurate or incomplete data during the contract negotiation process and (ii) reduce the contract price under triggering circumstances, including the revision of price lists or other documents upon which the contract award was predicated;
- decline to exercise an option to renew a multi-year contract;
- claim rights in solutions, systems, or technology produced by us, appropriate such work-product for their continued use without continuing to contract for our services, and disclose such work-product to third parties, including other government agencies and our competitors, which could harm our competitive position;
- prohibit future procurement awards with a particular agency due to a finding of organizational conflicts of interest;
- suspend or debar us from doing business with the applicable government; and
- control or prohibit the export of our battery products and technology.

Government contracts are also generally subject to greater scrutiny by the government, which can initiate reviews, audits and investigations regarding our compliance with government contract requirements. Current and new regulations or procurement requirements (including, for example regulations regarding counterfeit and corrupt parts, country of origin restrictions, supply chain diligence, mandatory socioeconomic compliance requirements and cybersecurity) or changes to current requirements could limit contracting opportunities and also increase our costs and risk of non-compliance. Failure to comply with government contracting laws, regulations and contract requirements, or adverse findings from a government audit or investigation can lead to criminal, civil or administrative proceedings (including pursuant to the False Claims Act), termination of contracts, forfeiture of profits, suspension of payments, adverse media coverage, fines and suspension or debarment from doing business with U.S. government agencies, all of which may have an adverse effect on our reputation, business, financial condition, results of operations and prospects.

Our technology and our website, systems, and data we maintain may be subject to intentional disruption, security breaches and other security incidents, or alleged violations of laws, regulations, or other obligations relating to data handling that could result in liability and adversely impact our reputation and future sales. We may be required to expend significant resources to continue to modify or enhance our protective measures to detect, investigate and remediate vulnerabilities to security breaches and incidents. Any actual or alleged failure to comply with applicable

cybersecurity or data privacy legislation or regulation could have a material adverse effect on our business, reputation, results of operations or financial condition.

We expect to face significant challenges with respect to information security and maintaining the security and integrity of our information systems and other systems used in our business, as well as with respect to the data stored on or processed by these systems. We also anticipate receiving and storing confidential business information of our partners and customers. Advances in technology, an increased level of sophistication and expertise of hackers, and new discoveries in the field of cryptography can result in a compromise or breach of the systems used in our business or of security measures used in our business to protect confidential information, personal information, and other data. We may be a target for attacks designed to disrupt our operations or to attempt to gain access to our systems or to data that we possess, including proprietary information that we obtain from our partners pursuant to our agreements with them. We also are at risk for interruptions, outages and breaches of our and our outsourced service providers' operational systems and security systems, our integrated software and technology, and data that we or our third party service providers process or possess. These may be caused by, among other causes, physical theft, viruses or other malicious code, denial or degradation of service attacks, ransomware, social engineering schemes, and insider theft or misuse. We have suffered security incidents in the past. In December 2021, we experienced a ransomware incident and notified certain employees of such incident. The security risks we and our outsourced service providers face could also be elevated in connection with the Russian invasion of Ukraine or the conflict in the Middle East, as we and our outsourced service providers are vulnerable to a heightened risk of cyberattacks from or affiliated with nation-state actors, including retaliatory attacks from Russian actors against U.S.-based companies.

The availability and effectiveness of our silicon anode technology and our ability to conduct our business and operations depend on the continued operation of information technology and communications systems, some of which we have yet to develop or otherwise obtain the ability to use. Systems we currently use or may use in the future in conducting our business, including data centers and other information technology systems, will be vulnerable to damage or interruption. Such systems could also be subject to break-ins, sabotage and intentional acts of vandalism, as well as disruptions and security breaches and security incidents as a result of non-technical issues, including intentional or inadvertent acts or omissions by employees, service providers, or others. We currently use, and may use in the future, outsourced service providers to help provide certain services, and any such outsourced service providers face similar security and system disruption risks as us. Our ability to monitor our outsourced service providers' security measures is limited, and, in any event, third parties may be able to circumvent those security measures, resulting in the unauthorized access to, misuse, acquisition, disclosure, loss, alteration, or destruction of personal, financial, confidential, or other data, including data relating to individuals. Some of the systems used in our business will not be fully redundant, and our disaster recovery planning cannot account for all eventualities. Any data security incidents or other disruptions to any data centers or other systems used in our business could result in lengthy interruptions in our service and may adversely affect our reputation, business, financial condition, results of operations and prospects.

Significant capital and other resources may be required in efforts to protect against information security breaches, security incidents, and system disruptions, or to alleviate problems caused by actual or suspected information security breaches and other data security incidents and system disruptions. The resources required may increase over time as the methods used by hackers and others engaged in online criminal activities and otherwise seeking to obtain unauthorized access to systems or data, and to disrupt systems, are increasingly sophisticated and constantly evolving. In particular, ransomware attacks have become more prevalent in the industrial sector, which could materially and adversely affect our ability to operate and may result in significant expense.

In addition, we may face increased compliance burdens regarding such requirements with regulators and customers regarding our battery products and also incur additional costs for oversight and monitoring of our supply chain. These additional compliance and logistical burdens are attenuated through our international partnerships. We also cannot be certain that these systems, networks, and other infrastructure or technology upon which we rely, including those of our third party suppliers or service providers, will be effectively implemented, maintained or expanded as planned, or will be free from bugs, defects, errors, vulnerabilities, viruses, ransomware, or other malicious code. We may be required to expend significant resources to make corrections or to remediate issues that are identified or to find alternative sources.

Any failure or perceived failure by us or our service providers to prevent information security breaches or other security incidents or system disruptions, or any compromise of security that results in or is perceived or reported to result in unauthorized access to, or loss, theft, alteration, release or transfer of, our information, or any personal information, confidential information, or other data could result in loss or theft of proprietary or sensitive data and intellectual property, could harm our reputation and competitive position and could expose us to legal claims, regulatory investigations and proceedings, and fines, penalties, and other liability. Any such actual or perceived security breach, security incident or

disruption could also divert the efforts of our technical and management personnel and could require us to incur significant costs and operational consequences in connection with investigating, remediating, eliminating and putting in place additional tools, devices, policies, and other measures designed to prevent actual or perceived security breaches and other incidents and system disruptions. Moreover, we could be required or otherwise find it appropriate to expend significant capital and other resources to respond to, notify third parties of, and otherwise address the incident or breach and its root cause, and most jurisdictions have enacted laws requiring companies to notify individuals, regulatory authorities and others of security breaches involving certain types of data.

Further, we cannot assure that any limitations of liability provisions in our current or future contracts that may be applicable would be enforceable or adequate or would otherwise protect us from any liabilities or damages with respect to any particular claim relating to a security breach or other security-related matter. We also cannot be sure that our existing insurance coverage will continue to be available on acceptable terms or will be available in sufficient amounts to cover claims related to a security breach or incident, or that the insurer will not deny coverage as to any future claim. The successful assertion of claims against us that exceed available insurance coverage, or the occurrence of changes in our insurance policies, including premium increases or the imposition of large deductible or co-insurance requirements, could have a material adverse effect on our business, including our reputation, financial condition and results of operations.

Additionally, laws, regulations, and other actual and potential obligations relating to privacy, data hosting and other processing of data, data protection, and data security are evolving rapidly, and we expect to potentially be subject to new laws and regulations, or new interpretations of laws and regulations, in the future in various jurisdictions. These laws, regulations, and other obligations, and changes in their interpretation, could require us to modify our operations and practices, restrict our activities, and increase our costs. Further, these laws, regulations, and other obligations are complex and evolving rapidly, and we cannot provide assurance that we will not be subject to claims, allegations, or other proceedings related to actual or alleged obligations relating to privacy, data protection, or data security. It is possible that these laws, regulations, and other obligations may be inconsistent with one another or be interpreted or asserted to be inconsistent with our business or practices. We anticipate needing to dedicate substantial resources to comply with laws, regulations, and other obligations relating to privacy and data security in order to comply. Any failure or alleged or perceived failure to comply with any applicable laws, regulations, or other obligations relating to privacy, data protection, or data security could also result in regulatory investigations and proceedings, and misuse of or failure to secure data relating to individuals could also result in claims and proceedings against us by governmental entities or others, penalties and other liability, and damage to our reputation and credibility, and could have a negative impact on our business, financial condition, results of operations and prospects.

Risks Related to Intellectual Property

We rely heavily on our intellectual property portfolio. If we are unable to protect our intellectual property rights, our business and competitive position would be harmed.

We may not be able to prevent unauthorized use of our intellectual property, which could harm our business and competitive position. We rely upon a combination of various intellectual property protections afforded by patent, copyright, trademark and trade secret laws in the United States and other jurisdictions, as well as contractual protections afforded by license agreements and other agreements, to establish, maintain and enforce rights in our proprietary technologies. In addition, we seek to protect our intellectual property rights through nondisclosure and invention assignment agreements with our employees and consultants, and through non-disclosure agreements with business partners and other third parties. Despite our efforts to protect our proprietary rights, third parties may, without proper authorization, attempt to copy or otherwise obtain and use our intellectual property or be able to design around our intellectual property. Monitoring unauthorized use of our intellectual property is difficult and costly, and the steps we have taken or will take to prevent misappropriation may not be adequate, sufficient, or effective. Any enforcement efforts we undertake, including litigation, could be time-consuming and expensive and could divert management's attention, which could harm our business, results of operations and financial condition. Moreover, certain proprietary technology that is stored on computer systems could be penetrated by intruders and potentially misappropriated. There is no guarantee that our efforts to protect our computer systems will be effective. In addition, existing intellectual property laws and contractual remedies may afford less protection than needed to safeguard our intellectual property portfolio.

Patent, copyright, trademark and trade secret laws vary significantly throughout the world. A number of foreign countries do not protect intellectual property rights to the same extent as do the laws of the United States. Therefore, our intellectual property rights may not be as strong or as easily enforced outside of the United States and efforts to protect against the unauthorized use of our intellectual property rights, technology and other proprietary rights may be more expensive and difficult outside of the United States. Further, we have not established our intellectual property rights in all

countries in the world, and competitors may copy our designs and technology and operate in countries in which it has not prosecuted our intellectual property. Failure to adequately protect our intellectual property rights could result in our competitors using our intellectual property to offer products, and competitors' ability to design around our intellectual property would enable competitors to offer similar or better batteries, in each case potentially resulting in the loss of some of our competitive advantage and a decrease in our revenue which, would adversely affect our business, financial condition, results of operations and prospects.

We may need to defend ourselves against intellectual property infringement claims, which may be time-consuming and could cause us to incur substantial costs.

Companies, organizations or individuals, including our current and future competitors, may hold or obtain patents, trademarks or other proprietary rights that would prevent, limit or interfere with our ability to make, use, develop, distribute, or sell our battery products, which could make it more difficult for us to operate our business. From time to time, we may receive inquiries from holders of patents or trademarks inquiring whether we are infringing their proprietary rights and/or seek court declarations that they do not infringe upon our intellectual property rights. Companies holding patents or other intellectual property rights relating to batteries, electric motors or electronic power management systems may bring suits alleging infringement by our battery products of such rights or otherwise asserting their rights and seeking licenses. In addition, if we are determined to have infringed upon a third party's intellectual property rights, we may be required to do one or more of the following:

- cease selling, incorporating or using products that incorporate the challenged intellectual property;
- pay substantial damages;
- obtain a license from the holder of the infringed intellectual property right, which license may not be available on reasonable terms or at all; or
- redesign our batteries.

We have in the past experienced infringement claims from non-practicing organizations (sometimes referred to as "patent trolls") filing lawsuits for patent infringement. For example, in December 2020, we settled a patent infringement case against us and agreed to make licensing payments in connection with such settlement. We may be subject to additional infringement claims in the future, and even if we believe such claims are without merit, such claims are time-consuming, expensive to litigate or settle and can divert management's resources and attention. An adverse determination could require that we pay damages, which could be substantial, or stop using technologies found to be in violation of a third party's rights and could prevent us from selling our batteries. In order to avoid these restrictions, we may have to seek a license for the technology. Any such license may not be available on reasonable terms or at all, could require us to pay significant royalties and may significantly increase our operating expenses or otherwise seriously harm our business or results of operations.

In the event of a successful claim of infringement against us and our failure or inability to obtain a license to the infringed technology, our business, financial condition, results of operations and prospects could be materially adversely affected. In addition, any litigation or claims, whether or not valid, could result in substantial costs and diversion of resources and management's attention.

We also license patents and other intellectual property from third parties, and we may face claims that our use of this intellectual property infringes the rights of others. In such cases, we may seek indemnification from our licensors under our license contracts with them. However, our rights to indemnification may be unavailable or insufficient to cover our costs and losses, depending on our use of the technology, whether we choose to retain control over conduct of the litigation, and other factors.

Our patent applications may not result in issued patents or our patent rights may be contested, circumvented, invalidated or limited in scope, any of which could have a material adverse effect on our ability to prevent others from interfering with our commercialization of our batteries.

Our patent applications may not result in issued patents, which may have a material adverse effect on our ability to prevent others from commercially exploiting products similar to ours. The status of patents involves complex legal and factual questions and the breadth of claims allowed is uncertain. As a result, we cannot be certain that the patent applications that we file will result in patents being issued, or that our patents and any patents that may be issued to us will afford protection against competitors with similar technology. Numerous patents and pending patent applications owned by others exist in the fields in which we have developed and is and will be developing our technology. In addition to those

who may claim priority, any of our existing or pending patents may also be challenged by others on the basis that they are otherwise invalid or unenforceable. Furthermore, patent applications filed in foreign countries are subject to laws, rules and procedures that differ from those of the United States, and thus we cannot be certain that foreign patent applications related to issued U.S. patents will be issued.

Even if our patent applications succeed and we are issued patents in accordance with them, it is still uncertain whether these patents will be contested, circumvented, invalidated or limited in scope in the future. The rights granted under any issued patents may not provide us with meaningful protection or competitive advantages, and some foreign countries provide significantly less effective patent enforcement than what the United States provides. In addition, the claims under any patents that issued to us may not be broad enough to prevent others from developing technologies that are similar or that achieve results similar to ours. The intellectual property rights of others could also bar or limit us from licensing, exploiting, or enforcing any patents issued to us. In addition, patents issued to us may be infringed upon or designed around by others and others may obtain patents that it needs to license or design around, either of which would increase costs and may adversely affect our business, financial condition, results of operations and prospects.

We may obtain licenses on technology that has not been commercialized or has been commercialized only to a limited extent, and the success of our business may be adversely affected if such technology does not perform as expected.

From time to time, we may license from third parties, technologies that have not been commercialized or which have been commercialized only to a limited extent. These technologies may not perform as expected within our silicon anode battery cells and related products. If the cost, performance characteristics, manufacturing process or other specifications of these licensed technologies fall short of our targets, our expected sales, costs, time to market, competitive advantage, future product pricing and potential operating margins may be adversely affected.

Risks Related to Litigation and Regulatory Compliance

Our operations expose us to litigation, environmental and other legal compliance risks. Compliance with laws and regulations can be expensive, and our failure to comply with these laws and regulations may result in monetary damages and fines, adverse publicity and a material adverse effect on our business.

We are subject to a variety of litigation, environmental, health and safety, investment screening and national security laws, and other legal compliance risks. These risks include, among other things, possible liability relating to product liability matters, personal injuries, intellectual property rights, contract-related claims, health and safety liabilities, employment-related liabilities, environmental matters, investment screening and national security laws, and compliance with U.S. and foreign laws, competition laws and laws governing improper business practices.

Our operations in the United States are subject to numerous environmental laws and regulations, including federal, state and local laws and regulations relating to, among other things: water; natural resources; discharges; emissions; chemicals; solid and hazardous waste storage, treatment and disposal; remediation of releases of hazardous materials; and contamination. Compliance with these laws can be difficult and costly. For example, battery life cycle management regulations and regulations governing the transport of batteries may impose substantial requirements on our operations in the United States. Our operations may be required to obtain and comply with environmental permits, many of which may be difficult and expensive to obtain and must be renewed on a periodic basis. A failure to comply with these laws, regulations or permits could result in substantial liabilities, including fines, penalties, the suspension or loss of permits, and possibly orders to cease the non-compliant operations. Our manufacturing process will have hazards such as, but not limited to, hazardous materials, machines with moving parts, and high voltage and/or high current electrical systems typical of large manufacturing equipment and related safety incidents. There may be safety incidents that damage machinery or manufacturing components, slow or stop production, or harm employees. Consequences may include litigation, regulation, fines, increased insurance premiums, mandates to temporarily halt production, workers' compensation claims, or other actions that impact our brand, finances or ability to operate.

As a business with international reach, we are subject to complex laws and regulations, including investment screening laws, in jurisdictions in which we operate. Those laws and regulations may be interpreted in different ways. They may also change from time to time, as may related interpretations and other guidance. Changes in laws or regulations could result in higher expenses and payments, and uncertainty relating to laws or regulations may also affect how we conduct our operations and structure our investments and could limit our ability to enforce our rights.

Changes in environmental and climate laws or regulations, including laws relating to greenhouse gas emissions, could lead to new or additional investment in manufacturing designs, subject us to additional costs and restrictions, including increased energy and raw materials costs, and could increase environmental compliance expenditures. We are

subject to various environmental laws and regulations on air emission, wastewater discharge, solid waste, noise and the disposal of hazardous materials. Cobalt and lithium are toxic materials that are important raw materials in our batteries. We also use, generate and discharge other toxic, volatile and hazardous chemicals and wastes in our research, development and manufacturing activities. Under U.S. environmental regulations, we are required to maintain the pollutant emission levels at the facility within the levels prescribed by the relevant governmental authorities and obtain a pollution discharge permit for water and air emissions. Future changes to environmental laws or permit requirements could require us to install new control equipment or otherwise change operations in order to comply with any such change in laws or permit requirements. In addition, certain laws and regulations require enterprises like us that generate hazardous wastes to engage companies which are licensed and qualified to process the hazardous wastes, and to collect, store, dispose of and transfer the hazardous waste.

If we fail to comply with national and local environmental protection laws and regulations, the relevant governmental authorities may impose fines or deadlines to cure instances of noncompliance, and may even order us to cease operations if we fail to comply with their requirements. In particular, any breach by us in connection with requirements relating to the handling of hazardous wastes may subject us to monetary damages and fines. In addition, if any third party suffers any loss as a result of our pollutant emission practices, our improper handling of hazardous wastes or our noncompliance with environmental regulations, such third parties may seek damages from us.

We cannot assure you that we will be able to comply with all environmental laws and regulations at all times as the environmental legal regime is evolving and becoming more stringent, especially in the United States. Therefore, if these or other governments where we do business impose more stringent regulations in the future, we will have to incur additional substantial costs and expenses in order to comply with new regulations, which may negatively affect our results of operations. If we fail to comply with any of the present or future environmental regulations in any material aspect or cause any loss to any third parties due to our pollutant emission practices, improper handling of hazardous wastes or other environmental noncompliance, we may suffer from negative publicity and may be required to pay substantial fines, pay damages to such third parties, or suspend or even cease operations, all of which may materially and adversely affect our business, financial condition, results of operations and prospects. Environmental laws and regulations may become more stringent in the future, which could increase costs of compliance or require us to manufacture with alternative technologies and materials.

We may be subject to review and enforcement actions under domestic and foreign laws that screen investments and to other national-security-related laws and regulations. In certain jurisdictions, these legal and regulatory requirements may be more stringent than in the United States and may impact battery companies more specifically. As a result of these laws and regulations, investments by particular investors may need to be filed with local regulators, which in turn may impose added costs on our business, impact our operations, and/or limit our ability to engage in strategic transactions that might otherwise be beneficial to us and our investors.

We are subject to a variety of laws and regulations related to the safety and transportation of our batteries. Our failure to comply with these laws and regulations may have a material adverse effect on our business and results of operations.

Many federal, state and local authorities require certification by Underwriters Laboratory, Inc., an independent, not-for-profit corporation engaged in the testing of products for compliance with certain public safety standards, or other safety regulation certification prior to marketing battery cells. Foreign jurisdictions also have regulatory authorities overseeing the safety of consumer products. Our batteries may not meet the specifications required by these authorities. A determination that any of our battery products are not in compliance with these rules and regulations could result in the imposition of fines or an award of damages to private litigants.

In addition, lithium batteries have been identified as a Class 9 dangerous good during transport. To be safely transported (by air, sea, rail or roadways), they must meet various international, national, state and local regulations, including, for example, the provisions laid out in United Nations standard UN 38.3. This standard applies to batteries transported either on their own or installed in a device. UN 38.3 has been adopted by regulators and competent authorities around the world, thus making it a requirement for global market access. Our failure to manage the transportation of our batteries could subject us to increased costs or future liabilities.

Failure to comply with certain health and production safety laws and regulations governing hazardous materials could materially adversely affect our business and results of operations.

In the sourcing of our battery products throughout the world, we process, store, dispose of and otherwise use large amounts of hazardous materials. As a result, we are subject to extensive and evolving health and production safety laws and regulations governing, among other things: the health of our employees and safety production requirements regarding

the generation, handling, storage, use and transportation of hazardous materials. Compliance with these laws and regulations results in ongoing costs. Failure to comply with these laws or regulations, or to obtain or comply with the relevant permits, could result in fines, criminal charges or other sanctions by regulators. Furthermore, we may be ordered to rectify a noncompliance within a stipulated deadline; and if we fail to do so, we may be ordered to cease operations. Our ongoing compliance with health and safety laws, regulations and permits could require us to incur significant expenses, limit our ability to modify or expand our facilities or continue manufacturing and make other capital improvements. In addition, private parties, including current or former employees, could bring personal injury or other claims against us due to the presence of, or exposure to, hazardous substances used, stored or disposed of by us or contained in our batteries.

We are or will be subject to anti-corruption and anti-bribery and anti-money laundering and similar laws, and non-compliance with such laws can subject us to administrative, civil and criminal fines and penalties, collateral consequences, remedial measures and legal expenses, all of which could adversely affect our business, results of operations, financial condition and reputation.

We are subject to the Foreign Corrupt Practices Act (the “FCPA”), the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, and possibly other anti-bribery and anti-corruption laws and anti-money laundering laws in various jurisdictions in which we conduct, or in the future may conduct, activities. Anti-corruption and anti-bribery laws have been enforced aggressively in recent years and are interpreted broadly to generally prohibit us and our officers, directors, employees, business partners agents, representatives and third party intermediaries from corruptly offering, promising, authorizing or providing, directly or indirectly anything of value to recipients in the public or private sector.

We may leverage third parties to sell our battery products and conduct our business abroad. We, our officers, directors, employees, business partners agents, representatives and third party intermediaries may have direct or indirect interactions with officials and employees of government agencies or state-owned or affiliated entities and we may be held liable for the corrupt or other illegal activities of these employees, agents, representatives, business partners or third party intermediaries even if we do not explicitly authorize such activities. We cannot assure you that all of our officers, directors, employees, business partners agents, representatives and third party intermediaries will not take actions in violation of applicable law, for which we may be ultimately held responsible. As our international activities and sales expand, our risks under these laws may increase.

These laws also require companies to make and keep books, records and accounts that accurately reflect transactions and dispositions of assets and to maintain a system of adequate internal accounting controls and compliance procedures designed to prevent any such actions. While we have certain policies and procedures to address compliance with such laws, we cannot assure you that none of our officers, directors, employees, business partners agents, representatives and third party intermediaries will take actions in violation of our policies and applicable law, for which we may be ultimately held responsible.

Any allegations or violation of the FCPA or other applicable anti-bribery and anti-corruption laws and anti-money laundering laws could subject us to whistleblower complaints, adverse media coverage, investigations, settlements, prosecutions, enforcement actions, fines, damages, loss of export privileges, and severe administrative, civil and criminal sanctions, suspension or debarment from government contracts, collateral consequences, remedial measures and legal expenses, all of which could materially and adversely affect our reputation, business, financial condition, results of operations and prospects. Responding to any investigation or action will likely result in a materially significant diversion of management’s attention and resources and significant defense costs and other professional fees.

We are subject to governmental export and import controls that could impair our ability to compete in international markets or subject us to liability if we violate these controls.

Our battery products may be subject to U.S. export control laws and regulations including the Export Administration Regulations, the International Traffic in Arms Regulations, and trade and economic sanctions maintained by the Office of Foreign Assets Control. As such, an export license is required to export, reexport, or transfer certain battery products to certain countries, end-users, and end-uses. If we were to fail to comply with such U.S. export controls laws and regulations, U.S. economic sanctions, or other similar laws, we could be subject to both civil and criminal penalties, including substantial fines, possible incarceration for employees and managers for willful violations, and the possible loss of our export or import privileges. Obtaining the necessary export license for a particular sale or offering may not be possible and may be time-consuming and may result in the delay or loss of sales opportunities. Furthermore, U.S. export control laws and economic sanctions prohibit the export of products to certain U.S. embargoed or sanctioned countries, governments, and persons, as well as for prohibited end-uses. Even though we take precautions to ensure that we and our partners comply

with all relevant export control laws and regulations, any failure by us or our partners to comply with such laws and regulations could have negative consequences for us, including reputational harm, government investigations and penalties.

Changes in our battery products or changes in export and import regulations in such countries may create delays in the introduction of our products into international markets, prevent our end-customers with international operations from deploying our battery products globally or, in some cases, prevent or delay the export or import of our battery products to certain countries, governments or persons altogether. Any change in export or import laws or regulations, economic sanctions or related legislation, shift in the enforcement or scope of existing export, import or sanctions laws or regulations, or change in the countries, governments, persons, or technologies targeted by such export, import or sanctions laws or regulations, could result in decreased use of our battery products by, or in our decreased ability to export or sell our battery products to, existing or potential end-customers with international operations. Any decreased use of our battery products or limitation on our ability to export to or sell our battery products in international markets could adversely affect our business, financial condition and results of operations.

We may be subject to U.S. foreign investment regulations which may impose conditions on or limit certain investors' ability to purchase our stock, potentially making the stock less attractive to investors. Our future investments in U.S. companies may also be subject to U.S. foreign investment regulations.

Certain investments that involve the acquisition of, or investment in, a U.S. business by a non-U.S. investor may be subject to review and approval by the Committee on Foreign Investment in the United States ("CFIUS"). Whether CFIUS has jurisdiction to review an acquisition or investment transaction depends on, among other factors, the nature and structure of the transaction, including the level of beneficial ownership interest and the nature of any information or governance rights involved. For example, investments that result in "control" of a U.S. business by a foreign person always are subject to CFIUS jurisdiction. Significant CFIUS reform legislation, which was fully implemented through regulations that became effective on February 13, 2020, expanded the scope of CFIUS's jurisdiction to investments that do not result in control of a U.S. business by a foreign person but afford certain foreign investors certain information or governance rights in a U.S. business that has a nexus to "critical technologies," "critical infrastructure" and/or "sensitive personal data." Based on its export control classification, some of our battery technology is considered a "critical technology."

CFIUS could choose to review past or proposed transactions involving us or new or existing foreign investors in us or in Amprius Holdings even if a filing with CFIUS is or was not required at the time of the transaction. Any review and approval of an investment or transaction by CFIUS may have outsized impacts on transaction certainty, timing, feasibility, and cost, among other things. CFIUS policies and practices are rapidly evolving, and in the event that CFIUS reviews one or more proposed or existing transactions involving us, there can be no assurances that the transaction parties will be able to maintain, or proceed with, such transactions on terms acceptable to them. For example, CFIUS could seek to impose limitations or restrictions on, or prohibit, investments by such investors (including, but not limited to, limits on purchasing our stock, limits on information sharing with such investors, requiring a voting trust, governance modifications, or forced divestiture, among other things).

Recent and potential tariffs imposed by the U.S. government or a global trade war could increase the cost of our products, which could have a material adverse effect on our business, financial condition and results of operations.

The U.S. government has and continues to make significant changes in U.S. trade policy and has taken certain actions that could negatively impact U.S. trade, including imposing tariffs on certain goods imported into the United States. In retaliation, China has implemented, and continues to evaluate imposing additional tariffs on a wide range of American products. There is also a concern that the imposition of additional tariffs by the United States, including under the administration of President-elect Trump, could result in the adoption of tariffs by other countries as well, leading to a global trade war. More specifically, the U.S. government has from time to time imposed significant tariffs on certain product categories imported from China. Such tariffs, if expanded to other categories, could have a significant impact on our business, particularly the importation of parts of our batteries and certain production equipment that are manufactured in China. If we attempt to renegotiate prices with suppliers or diversify our supply chain in response to tariffs, such efforts may not yield immediate results or may be ineffective. We might also consider increasing prices to the end consumer; however, this could reduce the competitiveness of our products and adversely affect net sales. If we fail to manage these dynamics successfully, gross margins and profitability could be adversely affected. As of the date of this report, tariffs have not had a material impact on our business, but increased tariffs or trade restrictions implemented by the United States or other countries in connection with a global trade war could have a material adverse effect on our business, financial condition and results of operations. We cannot predict what actions may ultimately be taken with respect to tariffs or trade relations between the United States and China or other countries, what products may be subject to such actions, or what

actions may be taken by the other countries in retaliation. Any further deterioration in the relations between the United States and China could exacerbate these actions and other governmental intervention.

In June 2022, the import restrictions contained in the Uyghur Forced Labor Prevention Act (“UFLPA”) became effective. The UFLPA creates a rebuttable presumption that any goods mined, produced or manufactured, wholly or in part in the Xinjiang Uyghur Autonomous Region (“XUAR”) of China, or produced by a listed entity, were made with forced labor and are not entitled to entry into the United States. If a shipment is detained, importers are required to present clear and convincing evidence that such goods are not made with forced labor. While we do not source goods from the XUAR or from listed parties, because we import from China, there is risk that our ability to import components and products may be adversely affected by the UFLPA.

The U.S. or foreign governments may take additional administrative, legislative, or regulatory action that could materially interfere with our ability to source from or sell products in certain countries. Sustained uncertainty about, or worsening of, current global economic conditions and further escalation of trade tensions between the United States and its trading partners, especially China, could result in a global economic slowdown and long-term changes to global trade, including retaliatory trade restrictions that restrict our ability to operate in China. Any alterations to our business strategy or operations made in order to adapt to or comply with any such changes would be time-consuming and expensive, and certain of our competitors may be better suited to withstand or react to these changes.

Our reliance on suppliers in foreign countries, including China, subjects us to risks and uncertainties relating to foreign laws and regulations and changes in relations between the United States and such foreign countries.

Our battery materials are sourced primarily from China and we rely on toll manufacturing partners from China for our SiCore batteries. Under its current leadership, the government of China has been pursuing economic reform policies, including by encouraging foreign trade and investment. However, there is no assurance that the Chinese government will continue to pursue such policies, that such policies will be successfully implemented, that such policies will not be significantly altered, or that such policies will be beneficial to our partners in China.

China’s regulations affecting the exporting of battery materials and batteries can be unpredictable. China has recently implemented significant restrictions on the export of graphite, a key material for traditional lithium-ion batteries. We cannot predict if China will expand such exporting restrictions to other battery materials or to any finished products. Although our battery materials are generally available from multiple suppliers, China is the predominant producer of certain of these materials. If China were to restrict or stop exporting these materials, our ability to obtain such supply may be constrained and we may be unable to obtain sufficient quantities, or obtain supply in a timely manner, or at a commercially reasonable cost, or our toll manufacturers may be unable to export finished batteries that incorporate these materials to us. Constrained supply of battery materials may restrict our ability to manufacture certain of our products and make it difficult or impossible to compete with other battery companies who are able to obtain sufficient quantities of materials from China or other countries. Additionally, China may restrict or prohibit exports of batteries made in China or that utilize technology from China, including our SiCore batteries. If China were to restrict or stop exporting key materials and/or finished batteries, including our SiCore batteries, we may not be able to fulfill customers’ orders or we may incur losses when trying to meet our obligations, which may result in our customers seeking alternative batteries, and in turn, we could lose customers and face reputational harm and penalties.

Any regulatory changes and changes in United States and China relations, or changes in relations with the United States and any other country where we may source battery materials or batteries in the future, may have a material adverse effect on our partners in China and other such countries which could adversely affect our business, financial condition, results of operations and prospects.

From time to time, we may be involved in legal proceedings and commercial or contractual disputes, which could have an adverse impact on our profitability and financial position.

We may be involved in legal proceedings and commercial or contractual disputes that, from time to time, are significant. These are typically claims that arise in the normal course of business including, without limitation, commercial or contractual disputes, including warranty claims and other disputes with potential customers and suppliers, intellectual property matters, personal injury claims, environmental issues, tax matters and employment matters.

Furthermore, our predecessor, Kensington, was a special purpose acquisition company (“SPAC”). SPACs have been subject to increased regulatory oversight and scrutiny, including from the SEC. Any governmental or regulatory investigation or inquiry related to our business combination with Kensington on September 14, 2022 or otherwise could have a material adverse effect on our business and negatively affect our reputation.

It is difficult to predict the outcome or ultimate financial exposure, if any, represented by these matters, and there can be no assurance that any such exposure will not be material. Such claims may also negatively affect our reputation.

Risks Related to Ownership of Our Common Stock

There can be no assurance that we will be able to comply with the continued listing standards of the NYSE.

On September 19, 2024, we were notified by the NYSE that we were not in compliance with the Listing Rule because the average closing stock price of a share of our common stock was less than \$1.00 per share over a consecutive 30 trading-day period. Pursuant to the Listing Rule, we have six months following the NYSE notification to regain compliance with the Listing Rule, during which time our common stock will continue to be listed on the NYSE.

On November 1, 2024, we were notified by the NYSE that we regained compliance with the Listing Rule. However, if we receive a subsequent notification from the NYSE regarding noncompliance with the Listing Rule and we do not regain compliance with the Listing Rule within six months of receipt of the NYSE notification, or we are otherwise unable to comply with the NYSE continued listing requirements, our securities may be delisted. If the NYSE delists our securities from trading on its exchange and we are not able to list our securities on another national securities exchange, we expect our securities could be quoted on an over-the-counter market. If this were to occur, we could face significant material adverse consequences, including:

- a limited availability of market quotations for our securities;
- reduced liquidity for our securities;
- determination that our common stock is a “penny stock,” which will require brokers trading in our common stock to adhere to more stringent rules and possibly result in a reduced level of trading activity in the secondary trading market for our securities;
- the incurrence of additional costs under state blue sky laws in connection with any sales of our securities;
- a limited amount of news and analyst coverage; and
- a decreased ability to issue additional securities or obtain additional financing in the future.

Anti-takeover provisions in our certificate of incorporation, bylaws and Delaware law could make an acquisition of us more difficult, limit attempts by stockholders to replace or remove our management and limit the market price of our common stock.

Our certificate of incorporation (the “Certificate of Incorporation”), amended and restated bylaws (the “Bylaws”) and Delaware law contain provisions that could have the effect of rendering more difficult, delaying or preventing an acquisition deemed undesirable by our board of directors. These provisions include:

- authorizing “blank check” preferred stock, which could be issued by our board of directors without stockholder approval and may contain voting, liquidation, dividend and other rights superior to our common stock;
- limiting the liability of, and providing indemnification to, our directors and officers;
- prohibiting cumulative voting in the election of directors;
- providing that vacancies on our board of directors may be filled only by majority of directors then in office of the board of directors, even though less than a quorum;
- prohibiting the ability of our stockholders to call special meetings;
- establishing an advance notice procedure for stockholder proposals to be brought before an annual meeting, including proposed nominations of persons for election to the board of directors;
- dividing directorships of our board of directors into three classes, each to be elected for a term of three years, so that only one class of directorships is up for election at each annual meeting of the stockholders; and
- specifying that special meetings of our stockholders can be called only by a majority of the board of directors, the chair of the board of directors, or our Chief Executive Officer.

These provisions may frustrate or prevent any attempts by stockholders to replace or remove our current management by making it more difficult for stockholders to replace members of our board of directors, which is responsible for appointing the members of our management. In addition, because we are incorporated in Delaware, it is governed by the provisions of Section 203 of the Delaware General Corporation Law (“DGCL”), which generally prohibits a Delaware corporation from engaging in any of a broad range of business combinations with any “interested” stockholder for a period of three years following the date on which the stockholder became an “interested” stockholder.

Our Bylaws provide, subject to limited exceptions, that the Court of Chancery of the State of Delaware and the federal district courts of the United States will be the sole and exclusive forum for certain stockholder litigation matters, which could limit our stockholders’ ability to obtain a chosen judicial forum for disputes with us or our directors, officers, employees or stockholders.

Our Bylaws provide that, unless otherwise consented to by us in writing, the Court of Chancery of the State of Delaware (or, if the Court of Chancery does not have jurisdiction, another State court in Delaware or the federal district court for the District of Delaware) shall, to the fullest extent permitted by law, be the sole and exclusive forum for the following types of actions or proceedings: (i) any derivative action or proceeding brought on behalf of us; (ii) any action asserting a claim of breach of a fiduciary duty owed by, or otherwise wrongdoing by, any of our directors, officers, or other employees to us or our stockholders; (iii) any action arising pursuant to any provision of the DGCL or our Certificate of Incorporation or our Bylaws; (iv) any action to interpret, apply, enforce or determine the validity of our Certificate of Incorporation or our Bylaws; or (v) any other action asserting a claim that is governed by the internal affairs doctrine, in all cases subject to the court having jurisdiction over indispensable parties named as defendants. This provision would not apply to suits brought to enforce a duty or liability created by the Exchange Act or any other claim for which the U.S. federal courts have exclusive jurisdiction. The Bylaws further provide that, unless otherwise consented to by us in writing, the federal district courts of the United States will be the sole and exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act.

Any person or entity purchasing or otherwise acquiring any interest in our securities shall be deemed to have notice of and consented to this provision. This choice of forum provision may limit a stockholder’s ability to bring a claim in a judicial forum of its choosing for disputes with us or any of our directors, officers, other employees or stockholders, which may discourage lawsuits with respect to such claims. There is uncertainty as to whether a court would enforce such provisions, and the enforceability of similar choice of forum provisions in other companies’ charter documents has been challenged in legal proceedings. It is possible that a court could find these types of provisions to be inapplicable or unenforceable, and if a court were to find the choice of forum provision contained in the Bylaws to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, operating results and financial condition.

Concentration of ownership among our executive officers, directors and affiliates may prevent new investors from influencing significant corporate decisions.

As of September 30, 2024, our executive officers and directors as a group beneficially own approximately 5.9% of the common stock outstanding. On October 23, 2024, Amprius Holdings, which owned an aggregate of 65.2 million shares, or 58.6%, of our common stock, voluntarily liquidated and dissolved. Following such liquidation and dissolution, Amprius Holdings distributed to its stockholders on a pro rata basis an aggregate of approximately 57.2 million shares of our common stock and we assumed all of Amprius Holdings’ outstanding options to purchase shares of Amprius Holdings’ Class A common stock. Certain of our executive officers and directors were recipients in such distribution and held options that we assumed. Immediately following such distribution and option assumption, our executive officers and directors as a group beneficially owned approximately 16.7% of our common stock. These stockholders are able to exercise a significant level of control over all matters requiring stockholder approval, including the election of directors, any amendment of the Certificate of Incorporation and approval of significant corporate transactions. This control could have the effect of delaying or preventing a change of control or changes in our management and will make the approval of certain transactions difficult or impossible without the support of these stockholders and of their votes.

We will incur significant increased expenses and administrative burdens as a public company, which could have an adverse effect on our business, financial condition and results of operations.

As a public company, we face increased legal, accounting, insurance, administrative and other costs and expenses. The Sarbanes-Oxley Act of 2002 (the “Sarbanes-Oxley Act”), including the requirements of Section 404, as well as rules and regulations subsequently implemented by the SEC, the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 and the rules and regulations promulgated and to be promulgated thereunder, the Public Company Accounting

Oversight Board and the securities exchanges, impose additional reporting and other obligations on public companies. The development and implementation of the standards and controls necessary for us to achieve the level of accounting standards required of a public company in the United States may require costs greater than expected. It is likely that we will expand our employee base and hire additional employees to support our operations as a public company, which will increase our operating costs in future periods.

Compliance with public company requirements has increased costs and made certain activities more time-consuming. A number of these requirements require us to carry out activities that we have not done previously. For example, our board of directors has committees that did not exist when we were a private company, and we have adopted new internal controls and disclosure controls and procedures. In addition, we are incurring expenses associated with SEC reporting requirements. Furthermore, if any issues in complying with those requirements are identified (for example, if the auditors identify a material weakness or significant deficiency in the internal control over financial reporting), we could incur additional costs rectifying those issues, and the existence of those issues could adversely affect our reputation or investor perceptions of us. As a public company, it is also more expensive to obtain director and officer liability insurance. The additional reporting and other obligations imposed by these rules and regulations have and will continue to increase legal and financial compliance costs and the costs of related legal, accounting and administrative activities. These increased costs will require us to spend money that could otherwise be used on our research and development programs and to achieve strategic objectives. Advocacy efforts by stockholders and third parties may also prompt additional changes in governance and reporting requirements, which could further increase costs.

We do not expect to declare any dividends in the foreseeable future.

We do not anticipate declaring any cash dividends to holders of our common stock in the foreseeable future. Consequently, investors may need to rely on sales of their shares after price appreciation, which may never occur, as the only way to realize any future gains on their investment.

If securities or industry analysts do not publish or cease publishing research or reports about us, our business, or our market, or if they change their recommendations regarding our securities adversely, the price and trading volume of our securities could decline.

The trading market for our securities will be influenced by the research and reports that industry or securities analysts may publish about us, our business, market or competitors. If any of the analysts who may cover us change their recommendation regarding our common stock adversely, or provide more favorable relative recommendations about our competitors, the price of our common stock and warrants would likely decline. If any analyst who may cover us were to cease coverage of us or fail to regularly publish reports on us, we could lose visibility in the financial markets, which in turn could cause our stock price or trading volume to decline.

We qualify as an “emerging growth company” and a “smaller reporting company” within the meaning of the Securities Act, and if we take advantage of certain exemptions from disclosure requirements available to emerging growth companies or smaller reporting companies, this could make our securities less attractive to investors and may make it more difficult to compare our performance with other public companies.

We qualify as an “emerging growth company” as defined in Section 2(a)(19) of the Securities Act, as modified by the JOBS Act. As such, we are eligible for and intend to take advantage of certain exemptions from various reporting requirements applicable to other public companies that are not emerging growth companies for as long as we continue to be an emerging growth company, including (i) the exemption from the auditor attestation requirements with respect to internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act, (ii) the exemptions from say-on-pay, say-on-frequency and say-on-golden parachute voting requirements and (iii) reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements. As a result, our stockholders may not have access to certain information they may deem important. We will remain an emerging growth company until the earliest of (i) the last day of the fiscal year in which the market value of our common stock that are held by non-affiliates exceeds \$700.0 million as of June 30 of that fiscal year, (ii) the last day of the fiscal year in which we have total annual gross revenue of \$1.235 billion or more during such fiscal year (as indexed for inflation), (iii) the date on which we have issued more than \$1.0 billion in non-convertible debt in the prior three-year period or (iv) December 31, 2027. In addition, Section 107 of the JOBS Act also provides that an emerging growth company can take advantage of the exemption from complying with new or revised accounting standards provided in Section 7(a)(2)(B) of the Securities Act as long as we are an emerging growth company. An emerging growth company can therefore delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected not to opt out of such extended transition period and, therefore, we may not be subject to the same new or revised accounting standards as other public companies that are not emerging

growth companies. Investors may find our common stock less attractive because we rely on these exemptions, which may result in a less active trading market for our common stock and its price may be more volatile.

Additionally, we qualify as a “smaller reporting company” as defined in Item 10(f)(1) of Regulation S-K. Smaller reporting companies may take advantage of certain reduced disclosure obligations, including, among other things, providing only two years of audited financial statements. We expect to remain a smaller reporting company until the last day of the fiscal year in which (i) the market value of our common stock held by non-affiliates exceeds \$250.0 million as of the prior June 30, or (ii) our annual revenues exceeded \$100.0 million during such completed fiscal year and the market value of our common stock held by non-affiliates exceeds \$700.0 million as of the prior June 30. To the extent we take advantage of such reduced disclosure obligations, comparison of our financial statements with other public companies may be difficult or impossible.

Sales of substantial amounts of our common stock in the public markets, or the perception that such sales could occur, could cause the market price of our common stock to drop significantly, even if our business is doing well.

Sales of a substantial number of shares of our securities in the public market could occur at any time. For example, we filed a resale registration in September 2022 that covered at initial effectiveness the resale of up to 105,680,194 shares of our common stock (assuming the exercise in full of all of the warrants registered thereunder), as well as the shares underlying the remainder of our public warrants, and we may from time to time be obligated to take additional actions to register offerings of currently outstanding or newly issued shares of our common stock.

These sales, any future sales of a substantial number of shares of our securities in the public market or the perception in the market that the holders of a large number of shares intend to sell shares, could reduce the market price of our securities. Despite such a decline in the public trading price, certain securityholders may still experience a positive rate of return on the securities they purchased due to the lower price that they purchased their shares compared to other public investors and be incentivized to sell securities when others are not.

Additionally, we have filed registration statements to register (i) shares reserved for future issuance under our equity compensation plans and the shares issuable upon exercise of the options outstanding under the Amprius Technologies, Inc. 2016 Equity Incentive Plan, which were an aggregate of 11,019,724 shares of common stock as of September 30, 2024, and (ii) shares issuable upon exercise of the options outstanding under the Amprius Holdings 2008 Stock Plan and the Amprius Holdings Second Equity Incentive Plan, which were an aggregate of 7,015,819 shares of common stock as of October 23, 2024. Subject to applicable securities laws and the satisfaction of any vesting restriction, the shares issued thereunder will be available for immediate resale in the public market.

Further, we have filed a prospectus supplement relating to our offering and sale of up to \$100.0 million of shares of our common stock under the Sales Agreement. The purchase price for the shares that we may sell to the Sales Agents in the At Market Financing will fluctuate based on the price of our common stock. Depending on market liquidity at the time, sales of such shares may cause the trading price of our common stock to fall. If and when we do sell shares to the Sales Agents, they may resell the shares subject to the terms and conditions of the Sales Agreement. Therefore, sales to the Sales Agents made by us could result in substantial dilution to the interests of other holders of our common stock. Additionally, the sale of a substantial number of shares of our common stock to the Sales Agents, or the anticipation of such sales, could make it more difficult for us to sell equity or equity-related securities in the future at a time and at a price that we might otherwise wish to effect sales.

We may issue additional shares of common stock under an employee incentive plan (including the 2022 Equity Incentive Plan and the Employee Stock Purchase Plan), or may issue preferred stock. Any such issuances would dilute the interest of our stockholders and likely present other risks.

We may issue a substantial number of additional shares of common stock under our employee incentive plan (including the 2022 Equity Incentive Plan and the Employee Stock Purchase Plan) or we may issue preferred stock. The issuance of additional securities:

- may significantly dilute the equity interests of our investors;
- may subordinate the rights of our stockholders if preferred stock is issued with rights senior to those afforded our common stock;
- could cause a change in control if a substantial number of securities are issued, which may affect, among other things, our ability to use our net operating loss carry forwards, if any, and could result in the resignation or removal of our present officers and directors; and

- may adversely affect prevailing market prices for our common stock and/or warrants.

Risks Related to Our Warrants

There is no guarantee that our warrants will be in the money, and they may expire worthless.

On May 13, 2024, we offered the holders of our public and private warrants the opportunity to exercise their warrants for cash at a temporarily reduced exercise price of \$1.10 per share. This cash tender offer expired on June 11, 2024. Subsequent to the expiration of such cash tender offer, on June 24, 2024, we made a separate tender offer to the holders of the unexercised private warrants an opportunity to exchange their warrants for shares of our common stock based on an exchange ratio of 0.197 as approved by the board of directors. Such exchange offer expired on July 23, 2024. The exercise price of our outstanding private warrants and public warrants is \$11.50 per share. The exercise price of our warrants issued as part of units in a private placement (the “PIPE warrants”) is \$12.50 per share.

We do not currently have any plan of additional arrangements for our outstanding private warrants, public warrants and PIPE warrants. The likelihood that warrant holders will exercise the warrants and any cash proceeds that we would receive is dependent upon the market price of our common stock. If the market price for our common stock is less than \$11.50 per share, in the case of our private warrants and public warrants, or \$12.50 per share, in the case of our PIPE warrants, we believe warrant holders will be unlikely to exercise their warrants. There is no guarantee that the warrants will be in the money prior to their expiration, and as such, the warrants may expire worthless.

We may redeem unexpired public warrants prior to their exercise at a time that is disadvantageous to the warrant holders, thereby making the public warrants worthless.

We have the ability to redeem outstanding public warrants or PIPE warrants at any time prior to their expiration, at a price of \$0.01 per warrant, provided that the last reported sales price of our common stock equals or exceeds \$18.00 per share (as may be adjusted), in the case of the public warrants, or \$20.00 per share (as may be adjusted), in the case of the PIPE warrants, for any 20 trading days within a 30-trading day period ending on the third trading day prior to the date on which we send the notice of redemption to public warrant or PIPE warrant holders and provided certain other conditions are met. If and when the public warrants or PIPE warrants become redeemable by us, we may exercise our redemption right even if we are unable to register or qualify the underlying securities for sale under all applicable state securities laws. As a result, we may redeem the public warrants or PIPE warrants as set forth above even if the holders are otherwise unable to exercise the public warrants or PIPE warrants. Redemption of the outstanding public warrants or PIPE warrants could force holders (i) to exercise public warrants or PIPE warrants and pay the exercise price therefor at a time when it may be disadvantageous, (ii) to sell public warrants or PIPE warrants at the then-current market price when holders might otherwise wish to hold public warrants or PIPE warrants or (iii) to accept the nominal redemption price that, at the time the outstanding public warrants or PIPE warrants are called for redemption, may be substantially less than the market value of the public warrants or PIPE warrants.

We may amend the terms of the warrants in a manner that may be adverse to holders of warrants with the approval by the holders of at least 50% of the then outstanding warrants. As a result, the exercise price of warrants could be increased, the exercise period could be shortened and the number of shares of common stock purchasable upon exercise of a warrant could be decreased, all without warrant holder approval.

The public warrants and private warrants were issued in registered form under the respective warrant agreements. The Warrant Agreement, dated as of March 1, 2022 (as amended, the “Warrant Agreement”), by and among us and Continental Stock Transfer & Trust Company, provides that the terms of the public warrants and private warrants may be amended without the consent of any holder to cure any ambiguity or correct any defective provision but requires the approval by the holders of at least 50% of the then outstanding public warrants to make any change that adversely affects the interests of the registered holders of public warrants and, solely with respect to any amendment to the terms of the private warrants or any provision of the Warrant Agreement with respect to the private warrants, 50% of the number of the then outstanding private warrants. The Warrant Agreement, dated as of September 14, 2022, by and among us and Continental Stock Transfer & Trust Company, provides that the terms of the PIPE warrants may be amended without the consent of any holder to cure any ambiguity or correct any defective provision but requires the approval by the holders of at least 50% of the then outstanding PIPE warrants to make any change that adversely affects the interests of the registered holders of PIPE warrants. Accordingly, we may amend the terms of the warrants in a manner adverse to a holder if holders of at least 50% of such then-outstanding warrants approve of such amendment. Although our ability to amend the terms of the warrants with the consent of at least 50% of such then-outstanding warrants is unlimited, examples of such amendments could be amendments to, among other things, increase the exercise price of the warrants, convert the warrants into cash or shares, shorten the exercise period or decrease the number of shares of common stock issuable upon exercise of a warrant.

The warrants are exercisable for common stock, which would increase the number of shares eligible for future resale in the public market and result in dilution to our stockholders.

As of September 30, 2024, outstanding warrants to purchase an aggregate of approximately 19.0 million shares of common stock are exercisable in accordance with the terms of the warrant agreement governing those securities. The exercise price of the private warrants and public warrants is \$11.50 per share, and the exercise price of the PIPE warrants is \$12.50 per share, though we and, in certain cases, the warrant agent have the ability to amend the applicable warrant agreement to reduce the exercise price, including to a price that is below the current trading price for our common stock. To the extent the warrants are exercised, additional shares of common stock will be issued, which will result in dilution to the holders of common stock and increase the number of shares eligible for resale in the public market. Shares of common stock issuable pursuant to the warrants are not subject to lock-up restrictions. As such, once the warrants are exercised, the holder of such shares issuable upon the exercise of the warrants will be able to resell the shares to the market, subject to other applicable laws. Sales of substantial numbers of such shares in the public market or the fact that such warrants may be exercised could adversely affect the market price of our common stock. Further, there is no guarantee that the warrants will ever be in the money prior to their expiration, and as such, such warrants may expire worthless.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

None.

Item 5. Other Information

Rule 10b5-1 Trading Plans

During the quarter ended September 30, 2024, no director or officer, as defined in Rule 16a-1(f), adopted or terminated a “Rule 10b5-1 trading arrangement” or a “non-Rule 10b5-1 trading arrangement,” each as defined in Regulation S-K Item 408.

Item 6. Exhibits

Exhibit Number	Description	Incorporated by Reference				Filed Herewith
		Form	File No.	Exhibit Number	Filing Date	
3.1	Certificate of Incorporation of Amprius Technologies, Inc.	Form 8-K	File No. 001-41314	3.1	September 16, 2022	
3.2	Amended and Restated Bylaws of Amprius Technologies, Inc.	Form 8-K	File No. 001-41314	3.1	March 23, 2023	
4.1	Specimen Common Stock Certificate	Form 8-K	File No. 001-41314	4.1	September 16, 2022	
10.1	Amprius, Inc. 2008 Stock Plan and form of option award agreement thereunder	Form 8-K	File No. 001-41314	10.1	October 23, 2024	
10.2	Amprius, Inc. Second Equity Incentive Plan and form of option award agreement thereunder	Form 8-K	File No. 001-41314	10.2	October 23, 2024	
10.3	Lock-Up Agreement, dated as of October 23, 2024, by and among Amprius Technologies, Inc. and the other parties thereto	Form 8-K	File No. 001-41314	10.3	October 23, 2024	
31.1	Certification of Principal Executive Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X
31.2	Certification of Principal Financial Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002					X
32.1*	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002					X
32.2*	Certification of Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002					X
101.INS	Inline XBRL Instance Document – the instance document does not appear in the Interactive Data File because XBRL tags are embedded within the Inline XBRL document.					X
101.SCH	Inline XBRL Taxonomy Extension Schema Document					X
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document					X
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document					X
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document					X
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document					X
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)					X

* These certifications furnished in Exhibits 32.1 and 32.2 hereto are deemed to accompany this Quarterly Report on Form 10-Q and are not deemed “filed” for purposes of Section 18 of the Exchange Act, or otherwise subject to the liability of that section, nor shall they be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Quarterly Report on Form 10-Q to be signed on its behalf by the undersigned, thereunto duly authorized.

AMPRIUS TECHNOLOGIES, INC.:

November 7, 2024
(Date)

By: _____
/s/ Dr. Kang Sun
Dr. Kang Sun
President and Chief Executive Officer
(Principal Executive Officer)

November 7, 2024
(Date)

By: _____
/s/ Sandra Wallach
Sandra Wallach
Chief Financial Officer
(Principal Financial and Accounting Officer)

**CERTIFICATION PURSUANT TO
RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Dr. Kang Sun, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Amprius Technologies, Inc. (the “registrant”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting.
5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):
 - a. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting, which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and
 - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: November 7, 2024

Amprius Technologies, Inc.:

/s/ Dr. Kang Sun

Dr. Kang Sun
President and Chief Executive Officer
(Principal Executive Officer)

**CERTIFICATION PURSUANT TO
RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Sandra Wallach, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Amprius Technologies, Inc. (the “registrant”);
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a. designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b. designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting.
5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions):
 - a. all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting, which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and
 - b. any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Date: November 7, 2024

Amprius Technologies, Inc.:

/s/ Sandra Wallach

Sandra Wallach

Chief Financial Officer

(Principal Financial and Accounting Officer)

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

I, Dr. Kang Sun, Chief Executive Officer of Amprius Technologies, Inc. (the “Company”), do hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Quarterly Report on Form 10-Q of the Company for the fiscal quarter ended September 30, 2024, as filed with the Securities and Exchange Commission, (the “Report”) fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition, and results of operations of the Company.

Date: November 7, 2024

Amprius Technologies, Inc.:

/s/ Dr. Kang Sun
Dr. Kang Sun
President and Chief Executive Officer
(Principal Executive Officer)

**CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

I, Sandra Wallach, Chief Financial Officer of Amprius Technologies, Inc. (the “Company”), do hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Quarterly Report on Form 10-Q of the Company for the fiscal quarter ended September 30, 2024, as filed with the Securities and Exchange Commission, (the “Report”) fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition, and results of operations of the Company.

Date: November 7, 2024

Amprius Technologies, Inc.:

/s/ Sandra Wallach
Sandra Wallach
Chief Financial Officer
(Principal Financial and Accounting Officer)