December 19, 2023

Amprius Celebrates Expansion of Its State-of-the-Art Silicon Nanowire Anode Megawatt Hour Manufacturing Line

Over 90 Attendees Enjoyed Key Partner Presentations on the Impact of Amprius' Next-Generation Technology and an Exclusive Factory Tour for a Preview of Amprius' Future

FREMONT, Calif.--(BUSINESS WIRE)-- **Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX)**, a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, celebrated its ribbon-cutting ceremony on Thursday, December 14, 2023. At the event, Amprius showcased its expanded production line in Fremont, California, known as Amprius Lab, for customers, investors, and partners.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20231219861371/en/

Justin Mirro, Board Director; Kathleen Ann Bayless, Board Director; Dr. Kang Sun, CEO; Lily Mei, Mayor of Fremont; Donald Dixon, Chair of the Board; Dr. Wen Hsieh, Board Director (Photo: Business Wire)

Through the commissioning of its proprietary anode production line, Amprius is increasing its capacity by ten times at its Fremont facility, moving the Company from kWh to MWh scale of production. The additional capacity will serve existing customers, including Airbus, AeroVironment, BAE Systems and Teledyne FLIR, as well as supply the backlog of new customers seeking product in 2024. The factory will manufacture industry leading, high-energy batteries, expected to deliver energy densities of over 500 Wh/kg and 1300 Wh/L, and high-power batteries with discharge rates as high as 10C.

During the event, several of Amprius' current partners, including AALTO Airbus, AeroVironment and CENTCOM presented on the importance of Amprius' next-generation technology on applications across aviation, HAPS (High-altitude platform systems), and defense. In addition, equipment OEM centrotherm presented on the state of our 100% silicon anode mass production equipment, currently used for commodity solar cell manufacturing, and the associated scale-up and cost-down achieved in that sector historically. And finally, Teledyne FLIR provided a customer demonstration of the Black Hornet 4, which has Amprius' high-performance batteries designed into it.

Guests were also able to engage with Amprius executives on the expansion's impact and tour the state-of-the-art manufacturing line, which features all-new assembly and dry rooms as well as the same mass production anode equipment technology planned for the GWh-scale factory.

"The expansion of our Fremont facility is an important milestone for our business as we significantly bolster our capacity to meet the increasing demands of our esteemed customers while at the same time serving more customers," said Dr. Kang Sun, CEO of Amprius. "As we implement advanced manufacturing processes for our proprietary silicon

anode cell production, we'll be able to lay the foundation for our gigawatt-scale factory that we expect to be operational in 2025."

Amprius continues to expand its advanced manufacturing capabilities to meet the ever-increasing demand for its high-performance batteries. Amprius remains well positioned to support the fast-growing aviation and, eventually, mainstream electric vehicle markets, estimated to be collectively over $100 billion of battery demand by 2025.

"Amprius' batteries play a key role in Fremont's dedication to technological innovation, especially in electric mobility, where our community boasts one of the highest densities of EV chargers per zip code," said Fremont Mayor Lily Mei. "The decision by Amprius to expand within Fremont highlights our city's commitment to pioneering next-generation technologies that are shaping the future of sustainable transportation."

For more information, please visit the Company's investor relations website at ir.amprius.com.

About Amprius Technologies, Inc.

Amprius Technologies, Inc. is a leading manufacturer of high-energy and high-power lithium-ion batteries producing the industry's highest known energy density cells. The company's commercially available batteries deliver up to 450 Wh/kg and 1,150 Wh/L. The company's corporate headquarters is in Fremont, California where it maintains an R&D lab and a megawatt hour manufacturing facility for the fabrication of silicon anodes and cells. For additional information, please visit amprius.com. Also, see the company's LinkedIn and Twitter pages.

Forward-Looking Statements

This press release includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, each as amended. Forward-looking statements may be identified by the use of words such as "estimate," "plan," "project," "forecast," "intend," "expect," "anticipate," "believe," "seek" or other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding the ability of Amprius to meet the demands from existing customers and to engage new customers, the ability and timing of Amprius to commercialize its new cells, the timing and ability of Amprius to build its large-scale facility and expand its manufacturing capacity, the technology that will be used in Amprius' large-scale manufacturing facility, the addressable market for Amprius' batteries, the potential application and performance of Amprius' batteries, and the estimated size of the battery market. These statements are based on various assumptions, whether or not identified in this press release, and on the current expectations of Amprius' management and are not predictions of actual performance. Actual results could differ materially from these forward-looking statements as a result of certain risks and uncertainties. These forward-looking statements are subject to a number of risks and uncertainties, including appeal of Brighton City Council's rezoning decision; delays in permitting, construction and operation of production facilities; Amprius' liquidity position; risks related to the rollout of Amprius' business and the timing of expected business milestones; Amprius' ability to commercially produce high performing batteries; the effects of competition on Amprius' business; supply shortages in the materials necessary for the production of Amprius' products; and changes in domestic and foreign business, market, financial, political and legal conditions. For more

information on these risks and uncertainties that may impact the operations and projections discussed herein can be found in the documents we filed from time to time with the Securities and Exchange Commission (the "SEC"), all of which are available on the SEC's website at www.sec.gov. There may be additional risks that Amprius does not presently know or that Amprius currently believes are immaterial that could also cause actual results to differ from those contained in the forward-looking statements. In addition, forward-looking statements reflect Amprius' expectations, plans or forecasts of future events and views as of the date of this press release. These forward-looking statements should not be relied upon as representing Amprius' assessments as of any date subsequent to the date of this press release. Accordingly, undue reliance should not be placed upon the forward-looking statements. Except as required by law, Amprius specifically disclaims any obligation to update any forward-looking statements.

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