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Amprius' High-Power Silicon Batteries Selected by ESAero to Power Next-Generation UAVs

Amprius' SiCore® SA08 cell provides longer flights and increased payload capacity for UAV platforms

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, today announced Empirical Systems Aerospace, Inc. (ESAero), a leading producer of Unmanned Aerial Systems (UAS) and Advanced Air Mobility (AAM) platforms, chose the Amprius SiCore® SA08 cell for integration into battery packs powering unmanned aerial vehicles (UAV) supporting defense, security, logistics, and public safety applications.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20251014216267/en/

Amprius' high-power silicon batteries selected by ESAero to power next-generation UAVs.

Amprius' high-power cell was selected by ESAero for its ability to significantly increase flight times and payload capacity, which are essential for UAV platforms operating in demanding environments. The SA08 cell is available in volume today, allowing ESAero to accelerate the development and integration of Amprius' cells into its UAVs.

"Amprius offered the best combination of advanced battery technology, production readiness, and cost competitiveness to meet the demands of this program," said Andrew Gibson, CEO and President of ESAero. "Their silicon anode cells deliver the performance and reliability needed to accelerate our path from development to production while setting a new benchmark for what our battery packs can achieve for both our in-house and customer platforms. Amprius' cells have enabled ESAero to create and maintain industry leading Group I and Group II UAV endurance."

"This collaboration highlights the momentum Amprius is building across the UAV space," said Dr. Kang Sun, CEO of Amprius Technologies. "By growing our production capacity through strategic partnerships, we're delivering customers high-performance silicon anode cells at scale and at a competitive price. This allows companies like ESAero to develop more capable battery packs for aircraft, flying farther, carrying more, and operating more efficiently in the field."

Amprius' SiCore® SA08 battery cells have successfully completed formal qualification and are now integrated into ESAero's products. Building on this success, Amprius is gaining additional traction with other UAV partners, further solidifying its position as a leading solution for next-generation electric aviation platforms.

For more information, please visit the Amprius 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 SiCore® and SiMaxx™ batteries deliver up to 450 Wh/kg and 1,150 Wh/L, with third-party validation of 500Wh/kg and 1,300 Wh/L. The Company's corporate headquarters is in Fremont, California, where it maintains an R&D lab and a MWh scale manufacturing facility for the fabrication of silicon anodes and cells. To serve customer demand, Amprius entered into several agreements to secure over 1.8 GWh of contract manufacturing capacity. For additional information, please visit amprius.com. Also, see the Company's LinkedIn page.

About Empirical Systems Aerospace, Inc. (ESAero)

ESAero produces Unmanned Aerial Systems (UAS) and advanced aerospace technologies for commercial and military applications. As an established leader in the field, ESAero has been demonstrating for decades its core competencies designing and manufacturing innovative, reliable, and scalable aircraft systems, including power and battery management systems. Based in San Luis Obispo, California, ESAero provides vertically integrated AS9100 certified services in R&D, engineering, design for manufacturing, rapid prototyping, testing, and serialized production expanding in the thousands. With over 130,000 sq. ft., ESAero has the capacity, capability, and facilities to scale and accelerate manufacturing to support its partners and customers. For additional information, please visit www.esaero.com.

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," "will" 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 performance of Amprius' products, the availability of Amprius' products, the ability of Amprius to gain traction with additional UAV partners, the manufacturing capacity that Amprius is able to provide under the support of its contract manufacturers, and the benefits of Amprius' products to its customers. 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 Amprius' liquidity position; risks related to the rollout of Amprius' business and the timing of expected business milestones; the capacity and stability of Amprius' contract manufacturers; the ability of Amprius and its contract manufacturers 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. 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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