



FOR IMMEDIATE RELEASE

ESS Celebrates Commercial Launch of Energy Center™ Product

First commercial deliveries to Florida utility and construction of demonstration Energy Center™ project for Portland General Electric completed in December.

Wilsonville, Ore.– January 16, 2025 - ESS Tech, Inc. (ESS) ([NYSE:GWH](#)), a leading manufacturer of iron flow long-duration energy storage (LDES) systems for commercial- and utility-scale applications, today celebrated the first commercial deliveries of Energy Center™ systems to a major Florida utility and the completion of construction and initial testing of a previously announced demonstration for its partner Portland General Electric (PGE).

The ESS Energy Center™ product represents a significant advancement in ESS' safe and sustainable iron flow technology. Advancements include a 20% increase in electrolyte energy density, improved energy storage capacity and reduced auxiliary energy requirements. Taken together, these improvements reduce costs and increase value for ESS' customers in comparison to earlier generation ESS products.

"This has been an excellent opportunity for PGE to partner with a local manufacturer in advancing alternative energy storage technologies. Innovations like long duration batteries are key to providing reliable power to customers throughout the clean energy transition," said Colin Solini, PGE Planning Distribution Engineer. "We look forward to beginning our own testing of the energy storage center to ensure seamless integration into our system and deliver long-term benefits to our customers."

"These milestones represent the culmination of over a year's work by an incredibly dedicated ESS product team," said Eric Dresselhuys, CEO of ESS. "The market is demanding larger scale and longer duration storage to ensure grid reliability and resiliency in a time of growing demand. The Energy Center™ product will play an important role in meeting that need."

The Energy Center™ product and ESS's core technologies have received numerous certifications to internationally recognized standards including UL 1973, UL 9540A and IEEE 693 – High, together demonstrating the superior safety and resilience of ESS's products.

The company plans to ramp Energy Center™ system production through the first half of 2025 to meet growing global demand for long duration energy storage. The solution is well-suited for addressing a variety of larger-scale front-of-the-meter and behind-the-meter applications for utilities, independent power producers and commercial customers.



About ESS Tech, Inc.

At ESS (NYSE: GWH), our mission is to accelerate global decarbonization by providing safe, sustainable, long-duration energy storage that powers people, communities and businesses with clean, renewable energy anytime and anywhere it's needed. As more renewable energy is added to the grid, long-duration energy storage is essential to providing the reliability and resiliency we need when the sun is not shining, and the wind is not blowing.

Our technology uses earth-abundant iron, salt and water to deliver environmentally safe solutions capable of providing up to 12 hours of flexible energy capacity for commercial and utility-scale energy storage applications. Established in 2011, ESS enables project developers, independent power producers, utilities and other large energy users to deploy reliable, sustainable long-duration energy storage solutions. For more information visit www.essinc.com.

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Company's manufacturing operations; the Company's ability to hire, train and retain an adequate number of manufacturing employees; issues related to the shipment and installation of the Company's products; issues related to customer acceptance of the Company's products; and inflationary pressures; as well as those risks and uncertainties set forth in the section entitled "Risk Factors" in the Company's Quarterly Report on Form 10-Q for the three months ended September 30, 2024, filed with the Securities and Exchange Commission (the "SEC") on November 14, 2024, and its other filings filed with the SEC. Except as required by law, ESS is not undertaking any obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise.

Source: ESS Tech, Inc.