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The ESVs offer more efficient and flexible deployments of EnerVenue"s pioneering technology, with scalable and customizable large-format battery configurations ready to meet a wide breadth of customer and partner applications

FREMONT, Calif. - Dec. 6, 2022 - EnerVenue, the first company to bring metal-hydrogen batteries capable of more than 30,000 cycles to the clean energy revolution, today announced the launch of EnerVenue Energy Storage Vessels (ESVs), the company"s second-generation energy storage product.

"Our new ESVs deliver a meaningful upgrade to the customization and ease with which customers and partners can plan--and expand--their utilization of our transformative and proven battery technology," said Majid Keshavarz, Chief Technology Officer, EnerVenue. "As the applications using our technology have grown, we wanted to ensure we had a product that could match almost any use case. ESVs package EnerVenue"s incredible technology into a more flexible and efficient solution that we"re excited to bring to market."

EnerVenue backs its ESVs with the Capacity Assurance extended warranty. Launched in October and the longest and simplest warranty of its kind, customers selecting Capacity Assurance are guaranteed 88% capacity for up to 20 years/20,000 cycles.

The company is already committed to providing seven gigawatt hours of ESVs as part of existing agreements with customers, including previously announced deals with Pine Gate Renewables, Sonnell Power Solutions, and Nicon-Industries-affiliated Green Energy Renewable Solutions. EnerVenue will begin shipping ESVs to customers in 2023.

EnerVenuebuilds simple, safe, and cost-efficient energy storage solutions for the clean energy revolution. Based on technology proven over decades under the most extreme conditions, EnerVenuebatteries are refined and scaled for large renewable energy integration applications. The company is headquartered in Fremont, California.

The world is on a mission to become carbon-neutral by 2050. At ACES Delta, we"re moving the boundaries of renewable energy. Enabling previously unattainable utility and industrial scale storage of renewable energy, we are transforming intermittent renewables into reliable, safe, and affordable energy. With ACES Delta, the clean energy possibilities are limitless.

A joint venture between Chevron U.S.A. and Mitsubishi Power, with Chevron as a majority owner, ACES Delta is driving the clean energy transition through the development of hydrogen hubs across the United States to transform intermittent renewables into reliable, safe, and affordable energy.

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Our solutions enable storage of renewable energy for hours to unprecedented long-term durations of months. Our green hydrogen solutions enable simultaneous long-term renewable energy storage and long-duration renewable energy supply. On demand, renewable energy supports reliable power generation, industrial operations, and fueling our nation"s long-haul vehicle fleet.

The Advanced Clean Energy Storage site provides a complete end-to-end solution to produce, store, and convert renewable hydrogen for carbon-free, year-round power in the Western United States. Our integrated green hydrogen generation and storage technologies provide both short- and long-duration energy storage and fuel supply infrastructure for consistent, uninterrupted, and dispatchable renewable energy.

Our renewable energy solutions with green hydrogen production and storage are scalable. Green hydrogen can be produced using electrolysis banks from 20 to 200 MW, equivalent to producing 10 to over 100 metric tonnes per day of hydrogen. Our storage approaches are equally scalable and support the expected evolution of hydrogen demand between now and 2050. Our storage approaches enable integration of renewable energy at unparalleled scales.

The West continues to lead the nation in renewable generation. But recent extreme weather events have exposed vulnerabilities in the region"s grid system. In our new white paper, experts highlight recent challenges facing the Western U.S. grid, propose energy storage alternatives, and present a plan to use large-scale deployment of energy storage solutions.

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