Press Releases

Leclanché Completes Second Hybrid Energy Storage System with S4 Energy

• Heerhugowaard project in The Netherlands will serve Dutch frequency containment reserve market
• 10MW system to provide power to support frequency stabilization for TenneT, the Dutch Transmission System Operator
• Leclanché served as engineering, procurement and construction (EPC) contractor
• As in the Almelo Project, Leclanché integrated the battery energy storage system with S4 Energy's proprietary KINEXT flywheel storage system

YVERDON-LES-BAINS, Switzerland and ROTTERDAM, Netherlands, 20th December, 2021 – Energy solution specialist S4 Energy, headquartered in Rotterdam, The Netherlands, and Leclanché SA (SIX: LECN), one of the world's leading energy storage companies, have completed collaboration on a second highly innovative hybrid energy storage project in the northern portion of the country.

The 10MW electrical energy storage system (EESS) will provide power to support frequency stabilization for TenneT, the Dutch transmission system operator. Frequency containment reserves are active power reserves which compensate for fluctuations in the electricity grid. The system is located in Heerhugowaard, a city in Noord Holland (North Holland) province.

Leclanché served as the engineering, procurement and construction (EPC) contractor of the battery energy storage system (BESS). The BESS is fully engineered by Leclanché and consists of power conversion sub-systems, battery modules and battery enclosures. The entire system is managed by Leclanché's proprietary energy management system (EMS), which ensures safe and efficient operation.

Similar to the initial S4 Energy-Leclanché project in Almelo, Holland, the new storage system features a combination of Leclanché's lithium-ion battery storage technology coupled with S4 Energy's KINEXT flywheel storage to provide primary control power for frequency stabilization. The cutting-edge system is designed to deliver 9MW of power for frequency control with 1MW dedicated to load displacement applications.

"We're pleased to be partnering with S4 Energy in this second utility project combining our two storage technologies into a value-added solution supporting Dutch grid stability," **said Guido Guidi, Senior Vice President, Global Sales, Stationary Storage Solutions, Leclanché**.

"S4 Energy and Leclanché have developed a solid collaboration resulting in enhanced solutions and a new dynamic for the market. We look forward to further enhance this collaboration during the operations of the projects," **said Dominique Becker Hoff, Commercial Director, S4 Energy.**

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You can download the image material here or on request.

About S4 Energy

S4 Energy (https://www.s4-energy.com/) employs specialist expertise and equipment together with sophisticated software to fully unlock the power of energy storage. We help energy producers, grid operators and end users to stabilize supply and demand and make the most of their existing infrastructure and energy flows. Their mission is to make their client's energy and power management smarter, more flexible and more profitable.

S4 Energy solutions consist of a range of storage techniques (chemical, electrolytic, kinetic) and incorporate proven technology both from partners and their own portfolio. S4 Energy has developed and holds various patents on energy storage technologies, including their uniquely efficient KINEXT storage units.

S4 Energy is based in the Netherlands and was founded by a group of former corporate executives and informal investors. Their team has extensive international experience up to an executive level in engineering, consultancy, finance, science and manufacturing.

About Leclanché

Headquartered in Switzerland, Leclanché SA is a leading provider of high-quality energy storage solutions designed to accelerate our progress towards a clean energy future. Leclanché's history and heritage is rooted in over 100 years of battery and energy storage innovation and the Company is a trusted provider of energy storage solutions globally. This coupled with the Company's culture of German engineering and Swiss precision and quality, continues to make Leclanché the partner of choice for both disruptors, established companies and governments who are pioneering positive changes in how energy is produced, distributed and consumed around the world. The energy transition is being driven primarily by changes in the management of our electricity networks and the electrification of transport, and these two end markets form the backbone of our strategy and business model. Leclanché is at the heart of the convergence of the electrification of transport and the changes in the distribution network. Leclanché is the only listed pure play energy storage company in the world, organised along three business units: stationary storage solutions, e-Transport solutions and specialty batteries systems. Leclanché is listed on the Swiss Stock Exchange (SIX: LECN).

SIX Swiss Exchange: ticker symbol LECN | ISIN CH 011 030 311 9

Disclaimer

This press release contains certain forward-looking statements relating to Leclanché's business, which can be identified by terminology such as "strategic", "proposes", "to introduce", "will", "planned", "expected", "commitment", "expects", "set", "preparing", "plans", "estimates", "aims", "would", "potential", "awaiting", "estimated", "proposal", or similar expressions, or by expressed or implied discussions regarding the ramp up of Leclanché's production capacity, potential applications for existing products, or regarding potential future revenues from any such products, or potential future sales or earnings of Leclanché or any of its business units. You should not place undue reliance on these statements. Such forward-looking statements reflect the current views of Leclanché regarding future events, and involve known and unknown risks, uncertainties and other factors that may cause actual results to be materially different from any future results, performance or achievements expressed or implied by such statements. There can be no guarantee that Leclanché's products will achieve any particular revenue levels. Nor can there be any guarantee that Leclanché, or any of the business units, will achieve any particular financial results.

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