

Leclanché's Navius MRS-3 Marine Rack System Makes North American Debut at Electric and Hybrid Marine Expo North America



YVERDON-LES-BAINS, Switzerland and ANDERSON, Indiana, October 24, 2022 - Switzerland-based Leclanché (SIX: LECN) will introduce its new Navius MRS-3™ marine rack battery system to the North American market at next week's Electric and Hybrid Marine Expo North America in Houston. The system will be on display in booth #5024, Hall E.

Leclanché is one of the world's leading energy storage solutions companies and a major global provider of battery storage systems for maritime vessels. Its Navius MRS-3 is designed to support the needs of fully electric and hybrid marine vessel ship builders. The new system improves upon Leclanché's award-winning MRS-2 – already powering a broad range of vessels in service around the world. It features significant improvements in battery energy density, modularity and safety making it the maritime industry's most flexible and powerful vessel electrification system ever created with the lowest carbon footprint.

The system begins shipping in 2023 and has already been specified in several major design wins including Scandlines' 10MWh PR24 zero-emission freight ferry, scheduled to be the world's largest, fully electric powered, hybrid ferry.

The long list of key enhancements included in the Navius MRS-3 starts with the company's proprietary, high energy and best in class cycle life 65 Ah G/NMC cells fitted into its latest generation M3 Energy battery modules. Both are produced in-house at the company's cell manufacturing facilities in Germany and automated, state-of-the-art module assembly line in Switzerland.

Battery string voltages of up to 1200 VDC are available with up to 720 A string continuous discharge current. Each 36-cell module provides 8.7kWh of energy. The modules are liquid-cooled which increases the lifespan of the system and permits up to 50% higher energy density compared to air-cooled systems.

The overall system design provides a distinct size and weight advantage versus competitive systems and is especially cost-effective for large-scale systems. To schedule a meeting in Houston, contact info@leclanche.com.

Navius MRS-3 is a trademark of Leclanché SA. All other tradenames are the property of their respective owners.
