

# Leclanché to provide battery systems for next-gen Stena Line and Brittany Ferries vessels



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Two hybrid roll-on/roll-off passenger (ro-pax) ferries under construction for Stena RoRo and Brittany Ferries will feature Leclanché battery technology. Each vessel will receive a 11.3MWh battery system and are due to be delivered in 2024 and 2025.

The hybrid E-Flexer ferries have been designed by Stena RoRo and will be approximately 195m long and feature an LNG propulsion system and Leclanché's Navius MRS-3 onboard battery storage system. The Navius MRS-3 uses the company's third-generation lithium-ion battery systems, with each benefitting from an 11.3MWh capacity and a maximum 940V. Leclanché's battery energy storage systems (BESS) use a highly redundant structure with 46 battery strings.

Once the system is installed, the ferries' environmental impact will be significantly reduced. Leclanché is scheduled to deliver the battery systems to the ship builders in Q4, 2023.

“Stena is a leader in the development of technologically advanced vessels and an early participant in the green shipping transition,” said Staffan Stenfelt, general manager newbuilding, Stena RoRo. “We’re excited to partner with Leclanché in this major milestone in hybridization technology and demonstrate the importance of flexibility in building next-generation vessels that can adapt to the latest technology developments.”

“We are delighted to join in the efforts of both Stena RoRo and Brittany Ferries in favor of the decarbonization of maritime transport,” commented Phil Broad, CEO of Leclanché E-Mobility. “These latest project wins further emphasize Leclanché’s leadership position in the electrification and hybridization of large vessels. In addition, these projects will strengthen our order book and our own production capacity, reinforcing the company’s positive outlook.

“One of the main mission of Leclanché is to support manufacturers in their e-mobility projects by providing them with the most suitable and powerful battery systems on the market. The benefits of our differentiated cell technology and liquid-cooled system were key factors in our nomination. Another main competitive asset, the system design provides a distinct size and weight advantage versus our competitors and is especially cost-effective for large-scale systems such as those being manufactured for Brittany Ferries.”