

# Leclanché Signs Contract to Supply Battery Systems for Twin CMAL Hybrid Ferries

- **Prominent Istanbul based systems integrator, elkon, part of the SCHOTTEL Group, Germany, picks Leclanché for joint commercial engagement**
- **RoPax vessels are being built at Cemre Shipyard in Turkey for Scottish shipowner Caledonian Maritime Assets Limited**
- **Each ferry will be equipped with Leclanché's advanced Navius MRS-3 with 1.1 MWh capacity and integrated liquid-cooling system**
- **Vessels to serve the Islands of Islay and Jura, two of the most southerly of Scotland's Inner Hebrides islands**

**YVERDON-LES-BAINS, Switzerland 4<sup>th</sup> March, 2023** – [Leclanché SA](#) (SIX: LECN) has won another major e-marine project having been selected to supply its advanced battery technology for two hybrid ferries being built for Scotland's Caledonian Maritime Assets Limited (CMAL) at CEMRE shipyard in Turkey.

elkon, part of the SCHOTTEL Group, a prominent electrical systems integrator for the marine industry based in Istanbul and operating throughout Europe, USA and China, has awarded Leclanché with the contract for two Navius MRS-3™ 1.1 MWh capacity battery storage systems. The roll-on, roll-off passenger vessels (RoPax) are being built by CEMRE shipyards – the same facility constructing the Scandlines PR24 project which is also using Leclanché's battery technology.

The 95-meter-long diesel/hybrid propulsion vessels, scheduled for completion in 2024 and 2025, will serve the Islands of Islay and Jura, the most southerly of Scotland's Inner Hebrides islands. The sailing time between the two ports is just over two hours. The advanced Leclanché lithium-ion batteries will enable the vessels to enter the ports quietly and carbon-free. The vessels will have a capacity of 275-lane meters for heavy goods vehicles (HGVs) on the main deck and a total of 107 cars on both their main and hoistable decks.

*"Leclanché has developed a well-deserved reputation for the quality of its marine battery systems and the safety of its liquid-cooled system architecture – both critical considerations for this important pair of CMAL projects," said Özgür Arslançan, Technology Director at elkon. "We have been also very happy with the company's accurate simulation that enabled to size the battery, its cooling system and to optimize the operation condition for a 10-year continuous service period."*

*"Our Navius MRS-3 has become an industry standard for high performance, decarbonized marine vessels," said Phil Broad, CEO, Leclanché e-Mobility. "We're excited by the large number of shipyards, vessel owners and integrators who have approached us during their design cycle and specification phase to better understand our approach to battery manufacturing. They are especially interested in the undeniable benefits of liquid-cooling for longer life cycle, low maintenance and the reduced footprint of MRS-3."*

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

## **About elkon**

elkon was established in 1980 to design, assemble, integrate and commission low-voltage electrical equipment, electric & hybrid propulsion systems and automation systems for the maritime industry. elkon is an international and global brand and has an engineering and production center in Turkey, but the operation area is the whole of Europe, USA and Asia.

Closely following the trends in developed countries, elkon considers the concept of decarbonisation, which means reduction of emissions and greenhouse effects, as the company's vision. So far more than 50 different types of vessels with batteries (full electric or hybrid) have been designed, engineered and delivered by elkon to several different shipowners all around the world. For more information, please visit <https://elkon-tr.com/>.

## **About CMAL**

*Caledonian Maritime Assets Limited owns ferries, ports and harbours, and infrastructure necessary for vital ferry services serving the west coast of Scotland and the Clyde Estuary, and the Northern Isles. The company is wholly owned by the Scottish Government with Scottish Ministers the sole shareholders.*

*The Caledonian Maritime Assets Limited Board has an executive management team and supporting staff at headquarters in Port Glasgow, Scotland. The company aims to provide efficient, cost-effective, and safe ferries, harbours, and port infrastructure for operators, communities, and users in and around Scotland. For further*

information on Caledonian Maritime Assets Limited, please visit [www.cmassets.co.uk](http://www.cmassets.co.uk)

## **About Cemre Shipyard**

*Cemre Shipyard, with its modern facilities, is one of the leading newbuild shipyards located in Yalova, Turkey. Considering the interest in diversity, Cemre has the ability to build different types of vessels such as fishing, offshore, and passenger. These highly technological, eco-friendly, and innovative projects require flexibility and intense care; besides that, tailor-made projects like these are among the distinguishing factors of Cemre's success.*

*Cemre Shipyard has two shipyard areas located in the same region, which enables them to build more than 15 vessels at the same time in accordance with their sizes. All of the vessels that are ordered and built are exported to customers in European countries such as Norway, Iceland, the United Kingdom, France, Ireland, Belgium, Denmark.*

*Consequently, Cemre Shipyard has secured its place among the top exporters in Turkey since 2008; and with this responsibility, Cemre works harder for a sustainable organisation. For further information on Cemre Shipyard, please visit [www.cemreshipyard.com](http://www.cemreshipyard.com)*

## **About Leclanché**

*Leclanché is a world leading provider of low-carbon footprint energy storage solutions based on lithium-ion cell technology. Established in 1909 in Yverdon-les-Bains, Switzerland, Leclanché's history and heritage is rooted in battery and energy storage innovation. The company's Swiss culture for precision and quality, together with its production facilities in Germany, make Leclanché the partner of choice for companies seeking the very best in battery performance and who are pioneering positive changes in how energy is produced, distributed and consumed around the world. Leclanché is organised into three business units: energy storage solutions, e-Mobility solutions and specialty battery systems. The company currently employs over 350 people with representative offices in eight countries around the world. Leclanché is listed on the Swiss Stock Exchange (SIX: LECN). For more information, please visit [www.leclanche.com](http://www.leclanche.com).*

## **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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