Saft nickel batteries ensure year-round autonomy for Gothenburg lighthouse

- Sunica.plus nickel batteries provide up to 60 days of autonomy for navigation lights that mark the entrance to the busiest port in the Nordics
- Battery and solar powered system provide higher reliability at lower cost than a subsea power line

Paris, September 30th, 2021 – The Swedish Maritime Administration (Sjöfartsverket) has installed Saft Sunica.plus nickel battery systems to provide power continuity for critical solar-powered navigation lights at the Trubaduren lighthouse. As the main navigation entrance to the Port of Gothenburg, battery performance is essential to protect shipping at the busiest port in the Nordics.

Sjöfartsverket ordered the Saft Sunica.plus battery system under a framework agreement for nickel batteries. It relies on Saft technology for proven reliable performance in extreme conditions, long life and low maintenance requirements, as well as small size and low weight. Together these represent low lifecycle costs and ensure reliable operation at some of its 1,100 remote lighthouses that technicians visit once per year.

Sjöfartsverket decided to modernize Trubaduren's navigation light systems after a subsea power cable broke. It decided to install power supplies based on solar photovoltaic (PV) panels and batteries for higher availability and a lower cost than laying a new subsea cable.

Anton Dahl, Sjöfartsverket's Navigation Engineer said: "We have strict requirements for battery performance, reliability and also sustainability. Saft provides sustainable recycling of nickel batteries when they reach the end of their life through a network of more than 30 bring-back points and its own recycling center for nickel batteries in Oskarshamn, Sweden."

Trubaduren lighthouse has two navigation lighting systems, each of which has its own LED lantern, colored filters, control equipment and power supply systems. The batteries are sized to store 760

Amp-hours (Ah) of energy. This is enough for up to 60 days of autonomy, even in Sweden's long winter nights.

The Sunica.plus nickel batteries manufactured in Oskarshamn, Sweden, operate reliably in temperatures from -40°C to +55°C and are built from rugged materials to withstand the corrosive maritime environment.

For more information on Sunica.plus, click here

About Saft

Saft specializes in advanced technology battery solutions for industry, from the design and development to the production, customization and service provision. For more than 100 years, Saft's longer-lasting batteries and systems have provided critical safety applications, back-up power and propulsion for our customers. Our innovative, safe and reliable technology delivers high performance on land, at sea, in the air and in space. Saft is powering industry and smarter cities, while providing critical back-up functionality in remote and harsh environments from the Arctic Circle to the Sahara Desert. Saft is a wholly owned subsidiary of TotalEnergies, a broad energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables, and electricity.

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