

Press release

20 December 2023

## **Scandlines orders new onshore charging solution from NES**

*Scandlines has contracted Norwegian Electric Systems AS (NES) to deliver an onshore charging system to the ferry operator's berth in Puttgarden, Germany.*

The Norwegian maritime system integrator NES, which specializes in sustainable energy design and smart control systems, will deliver the land-based charging system to the Puttgarden ferry berth, and connect the equipment to the power grid of the regional grid operator, Schleswig-Holstein Netz AG. NES will also deliver additional equipment to the ferry.

Scandlines' new zero direct emissions ferry, Futura, currently under construction in Turkey, will operate the Puttgarden-Rødby route between Germany and Denmark. Already in April 2022, Scandlines signed a contract to deliver the shore power solution in Rødby on the Danish side of the route. Now, NES will also provide the charging solution for the German side of the ferry link. The innovative charging system will supply power to both the zero direct emissions freight ferry Futura and the Fehmarn Belt hybrid ferries, which as of 2025 will operate at least 80 per cent emission-free.

"Scandlines has a clear green agenda and has for years invested in environmentally friendly technologies for their ferry fleet. We are proud that Scandlines has chosen NES to deliver yet another onshore power system", says Jan Klok, VP Sales at NES.

### **Charging in record time**

NES is already in the process of delivering power, automation, and navigation systems to the Scandlines zero direct emissions freight ferry. With the design and delivery of the ferry's charging solution on the German side of the link, as well as the Danish, NES is responsible for the complete energy design, from the power grid to the propeller.

The required components onshore include a 30MVA grid transformer, medium and low voltage transformers, and switchboards, in addition to control system and data collection system. Together these components ensure safe, efficient, and reliable operation of both the charging system and the vessel.

"With a battery pack of ten megawatt-hours, equivalent to the combined capacity of about 150 electric cars, the ferry's battery capacity will be among the world's largest on a ship. Rapid charging is essential for the ferry while it is unloading vehicles and should take about 12 minutes. Imagine charging 150 electric vehicles with one charger in 12 minutes only. While fast charging a car is one thing, handling this amount of energy is quite another matter," says Jan Klok.

NES, a subsidiary of HAV Group ASA listed on Euronext Growth in Oslo, will utilise their three Norwegian facilities in Bergen, Egersund, and Ålesund to design, assemble, and test the onshore power system. NES has not disclosed the value of the contract.

### **About Norwegian Electric Systems AS**

Norwegian Electric Systems is a world-leading total supplier of **Energy Design** and **Smart Control** solutions for a wide range of vessels for the global marine market:

- **Energy Design**

*Our knowledge about vessel operations and competence in integrating the latest available energy sources allows us to design optimal energy systems. We design efficient and environmentally friendly solutions, creating added value for the customers.*

- **Smart Control**

*New requirements and demand for more efficient and safe operations calls for smarter vessels. Flexible software platforms and new solutions for navigation, automation and control ensure safety through smart and easy operation.*

*We are a committed partner for safe shipping, lower emissions and added value for our customers. Our focus is to be a collaborator and a system supplier.*

*NES is based in Bergen and has branches with core expertise in Ålesund and Egersund in Norway, plus an office in Istanbul, Turkey.*

To learn more about us, visit: [www.norwegianelectric.com](http://www.norwegianelectric.com)

### **Press contact, NES:**

Siv Remøy-Vangen

Managing Director

Phone: +47 959 72 738

Email: [siv.rvangen@norwegianelectric.com](mailto:siv.rvangen@norwegianelectric.com)

### **About Scandlines**

*Scandlines is a modern and innovative ferry operator with a green vision for the future. We have a proud culture based on strong German-Danish cooperation and maritime history dating back to 1872.*

*Scandlines operates two ferry routes with high capacity and frequency. Six of our ferries are hybrid ferries, and two are furthermore fitted with an innovative rotor sail – and that contributes to making our ferries greener.*

*Our core business is to provide an efficient and reliable transport service for both passengers and freight customers. The focus for all our activities – on board the ferries as well as in our BorderShops – is to give our customers a great experience.*

*With 39,000 departures on seven ferries, Scandlines in 2022 transported close to 6.1 million passengers, 1.6 million cars and over 750,000 freight units on the routes Puttgarden-Rødby and Rostock-Gedser.*

Read more about Scandlines at [www.scandlines.com](https://www.scandlines.com). High-resolution press photos can be downloaded [here](#).

**Press contact, Scandlines:**

Anette Ustrup Svendsen

Head of Corporate Communications

Mobile: +45 26 777 000

Email: [anette.ustrup.svendsen@scandlines.com](mailto:anette.ustrup.svendsen@scandlines.com)