

Press release

14 August 2019

Scandlines installs Norsepower's Rotor Sail solution on board hybrid ferry

Scandlines drives investment in wind propulsion technology on board the M/V Copenhagen reducing further carbon emissions.

Ferry operator Scandlines is pleased to announce that it has signed an agreement with Norsepower Oy Ltd, leading clean technology and engineering company pioneering modern wind propulsion technology, to install Norsepower's Rotor Sail Solution on board the M/V Copenhagen, a hybrid passenger ferry.

Operating between Rostock in Germany and Gedser in Denmark, the M/V Copenhagen belongs to the world's largest fleet of hybrid ferries, which combines diesel and battery power. Since 2013, Scandlines has invested more than EUR 300 million in building and retrofitting ferries from conventional diesel-driven to hybrid ferries. With the addition of Norsepower's technology, the vessel will further reduce its emissions.

The Norsepower Rotor Sail Solution is a modernised version of the Flettner rotor – a spinning cylinder that uses the Magnus effect to harness wind power to thrust a ship. It is the first data-verified and commercially operational auxiliary wind propulsion technology for the global maritime industry. When wind conditions are favourable, it enables the electric propulsion thrusters and center propel to be throttled back, reducing emissions – while providing the power needed to maintain speed and voyage time. Because it generates supplementary thrust from wind, the solution is compatible with all other emissions saving technologies.

The route between Gedser to the north and Rostock to the south is almost perpendicular to the prevailing wind from west giving Scandlines favourable conditions for using Rotor Sails on the ferry crossing.

Preparations for the retrofit will take place in November 2019 with the installation scheduled for Q2 2020. M/V Copenhagen is set to be retrofitted with one large-sized Norsepower Rotor Sail unit that is 30m in height and 5m in diameter.

“By installing a Rotor Sail, we can reduce CO₂ emissions on the Rostock-Gedser route by four to five per cent,” says Scandlines CEO Søren Poulsen Jensen.

NABU, the German Nature and Biodiversity Conservation Union, is pleased with Scandlines' decision to further reduce CO₂ emission:

“NABU welcomes Scandlines' various efforts towards sustainable shipping. With rotors besides hybrid drives, the company sets new standards in terms of integrating different technical solutions to mitigate especially climate and air pollution emissions. To reach the Paris climate goals, more corporate responsibility by other shipping companies is needed,” says Malte Siegert, Head of Environmental Policy at NABU.

Commenting on the deal, Tuomas Riski, CEO, Norsepower says: “As a leading clean technology and engineering company, we are proud to be partnering with Scandlines as we work towards a modern era of auxiliary wind propulsion for the global maritime fleet, while supporting shipping's transition to a low-carbon future.”



An illustration of M/V Copenhagen with a Norsepower Rotor Sail.

About Scandlines

Scandlines stands as a symbol of a historical and close cooperation between Denmark and Germany. Scandlines runs two ferry routes with high capacity and frequency as well as with a green vision for the future.

The core business is to provide an efficient and reliable transport service for both passengers and freight customers. The main focus for all activities in Scandlines is to create value for our customers on board the ferries as well as in our shops.

With more than 43,000 departures on 8 ferries, in 2018 Scandlines transported 7.4 million passengers, 1.8 million cars and more than 700,000 freight units and 36,000 busses on the routes Puttgarden-Rødby and Rostock-Gedser.

Read more about Scandlines at www.scandlines.com

High resolution press photos can be downloaded [here](#)

About Norsepower

Norsepower Oy Ltd is a leading clean technology and engineering company pioneering modern auxiliary wind propulsion for the global maritime industry. Norsepower's Rotor Sail Solution is a proven, low-maintenance, easy to use, and reliable fuel saving technology, supporting the decarbonisation of the shipping industry.

For more information on the Norsepower Rotor Sail Solution, please visit www.norsepower.com.

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