

20 March, 2019

Wärtsilä solutions for new state-of-the-art Wasaline ferry create world class efficiency and eco-friendliness

An integrated package of products, systems, and solutions from the technology group Wärtsilä will enable a new Wasaline RoPax ferry to be among the world's most efficient and environmentally sustainable ships. NLC Ferry operates the Wasaline service between Vaasa, Finland and Umeå, Sweden, and the new ferry, featuring state-of-the-art Wärtsilä technology, is scheduled for delivery in May 2021. It is being built by Rauma Marine Constructions in Finland. The orders with Wärtsilä were booked in March 2019.

Among the ship's outstanding features will be its hybrid propulsion solution. This will incorporate four highly efficient [Wärtsilä 31DF](#) dual-fuel engines capable of operating on liquefied natural gas (LNG) and biogas. The diesel version of the Wärtsilä 31 has been recognised by Guinness World Records as being the world's most efficient 4-stroke diesel engine. Wärtsilä will also supply the [LNG storage](#), supply and control systems, as well as the [thrusters](#), catalysators, controls, and the integrated electrical and automation systems. The latter will incorporate an energy and power management system to optimise the use and operation of the hybrid power solution.

The combination of the Wärtsilä 31DF engines, hybrid propulsion, and LNG and BioLNG fuel will establish this ferry as a benchmark in efficiency and sustainability. The CO2 emissions, for example, will be reduced by more than 50 percent compared to Wasaline's current ferry serving this route.

"This ferry project represents the perfect alignment of a lifecycle Wärtsilä solution with the lowest possible environmental impact. Furthermore, it is a strong endorsement of Wärtsilä's Smart Marine approach whereby connectivity and digitalisation are utilised to create greater efficiency, lower operating costs, and better environmental performance. Co-creation with partners and customers is another main element in creating a better industry ecosystem, and we have worked closely with NLC Ferry for more than five years in the development of this state-of-the-art vessel," says Henrik Wilhelms, Segment Sales Director, Wärtsilä Marine.

"We are extremely excited about our new ferry. It will be truly world-class with the latest and most advanced technologies, and for this we appreciate the support that Wärtsilä has provided. We know and trust their products. For example, our existing ship is powered by a Wärtsilä Vasa 32 engine that has already accumulated an incredible

200,000 hours of operation. This outstanding reliability is an example of why we have selected Wärtsilä again,” says Peter Ståhlberg CEO at Wasaline.

“Shipbuilding in Rauma has a history dating back some 600 years. During that time all kinds of vessels have been delivered, but never has there been a ship like this new Wasaline ferry. The efficiency level is very high, and the hybrid technology employed results in minimal exhaust emissions. We are proud to be able to say that we built this ship,” says Jyrki Heinimaa, President and CEO, Rauma Marine Constructions.

Wärtsilä’s equipment supply is augmented by a 10-year service agreement, as well as an agreement that allows Wärtsilä to utilise the vessel as an R&D test platform and technology demonstrator. This will enable the company to further validate its latest and most innovative technologies in line with the company’s Smart Marine philosophy.

The new ship will accommodate 800 passengers and will have 1500 lane metres available for trucks and passenger vehicles.



Caption: The new Wasaline ferry will feature Wärtsilä solutions that make it among the world’s most efficient and eco-friendly vessels.

Media contacts:
Mr Henrik Wilhelms
Segment Sales Director
Wärtsilä Marine Business
Tel: +358 10 7091691
henrik.wilhelms@wartsila.com

Ms Marit Holmlund-Sund
General Manager, Positioning, Marine Business Marketing

Wärtsilä Corporation
Tel: +358 10 709 1439
marit.holmlund-sund@wartsila.com

Wärtsilä in brief:

Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. In 2018, Wärtsilä's net sales totalled EUR 5.2 billion with approximately 19,000 employees. The company has operations in over 200 locations in more than 80 countries around the world. Wärtsilä is listed on Nasdaq Helsinki.

www.wartsila.com