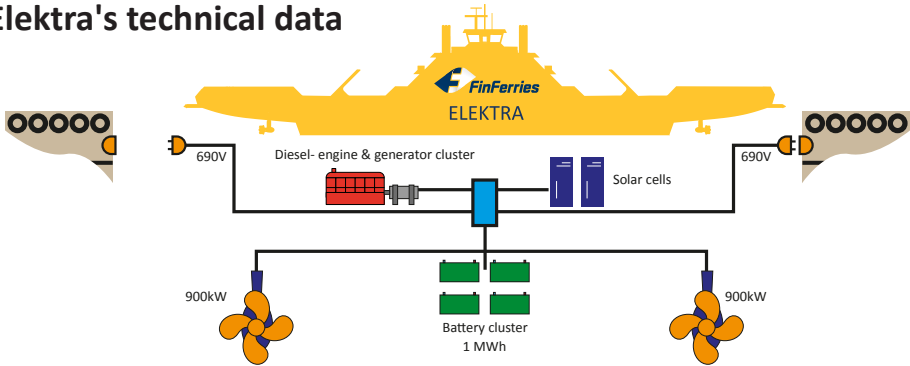


Electrifying Finnish ferry service

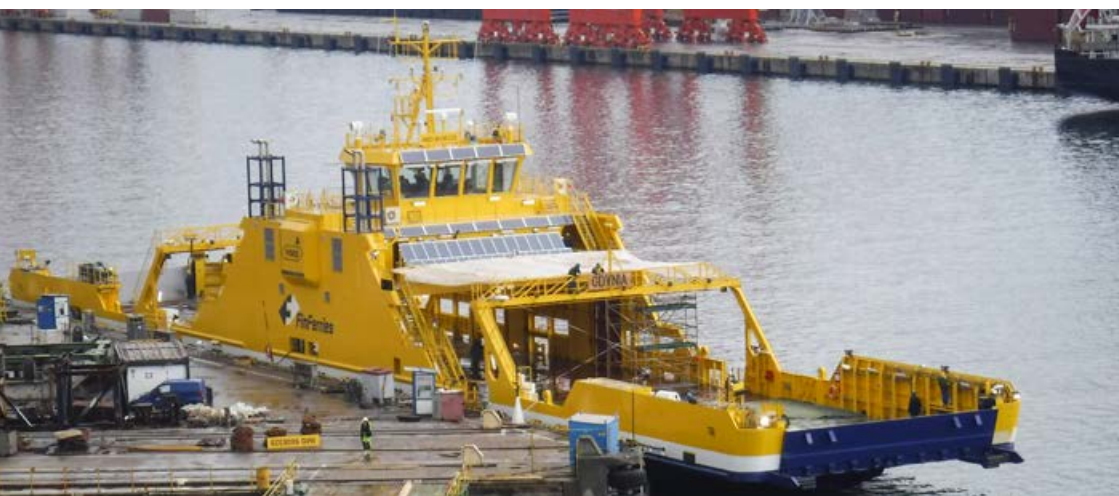
Finferries' newbuilding Elektra is Finland's first hybrid ferry, which represents a milestone on the path towards clean shipping. Battery packs will be charged directly from the grid and diesel electricity generators used alongside them as a backup will serve as the energy source for the new vessel. The energy storage system will be charged at each side of the crossing, using a shore-based connection to the local grid. Because of the harsh winter conditions in Finland, the ferry will be able to use diesel engines to support the onboard batteries, which will serve as an extra boost travelling through ice.

The environmentally friendly ferry will improve the transport options between Nauvo and Parainen in the Turku Archipelago. Elektra will begin operating on the 1.6 km-long route in the summer of 2017.

Elektra's technical data



Length over all	97,92 m	DWT	525 t
Breadth moulded	15,20 m	Cars	90
Draught	3,55 m	Propulsion power	2 x 900 kW
5 lanes, length of lanes	450 m	Batteries all together	1 MWh
Passenger + crew	375 persons	Diesel generators	3 x 420 kW





What water separates, Finferries connects

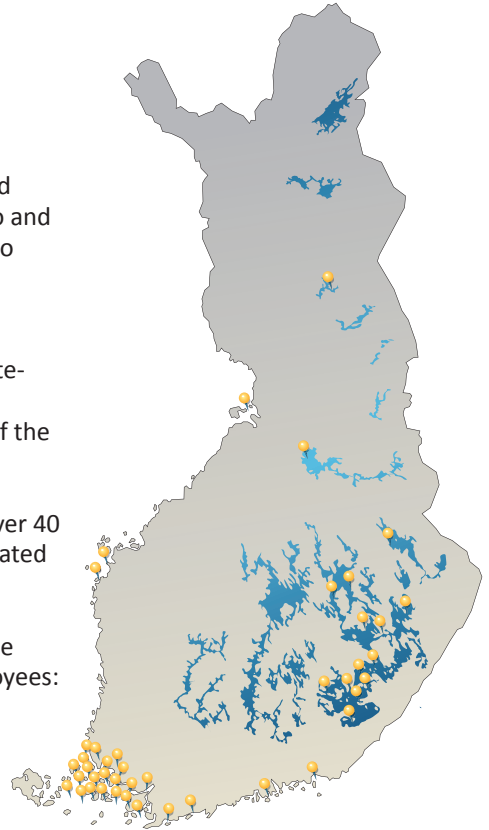
Finland is known for being the land of a thousand lakes and islands. Connections in the archipelago and lake areas require ferries and commuter ferries to function. Finferries' vessels carry about 4 million vehicles and 10 million passengers each year.

Finferries (Suomen Lauttaliikenne group) is a state-owned operator of ferry services in Finland. Commuter ferries are operated by a subsidiary of the group, Finland Archipelago Shipping.

Finferries has over 300 employees working on over 40 routes around the country. The head office is located in Turku, with a branch office in Savonlinna.

Finferries runs its 24/7 operation according to the three values which were decided with the employees: Safety, Service-mindedness and Profitability.

We welcome you on a safe and responsible ride with Finferries' vessels!



CRIST is a leader amongst European shipyards and one of the mayor players on the market of maritime constructions, specializing in building turn-key vessels, platforms and offshore constructions. Over 300 completed projects, 27 years of shipbuilding experience, 2000 engineers and workers, latest technology implementation and a capacity to process over 100 thousand tons of steel a year – this is the CRIST shipyard.



Siemens is a leading provider of solutions and services for electrification, automation and digitalization. The company works for sustainable energy, efficient infrastructure and competitive industry. Siemens' intelligent, e-mobility solutions increase availability of infrastructure, optimize throughput and improve passenger experience. With the innovative portfolio the company is reshaping the marine sector. The world's first electrical car and passenger ferry powered by batteries was enabled by Siemens in Norway in 2015.