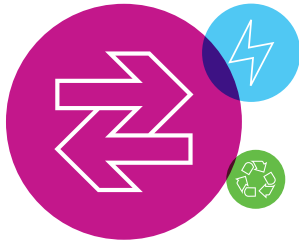


Battery-Driven Car Ferry



→ **Environmentally friendly ferry operation is not a distant dream. This smart, clean, and silent battery driven ferry will soon be at sea in Norway.**

The world's first large all-electric car ferry is a **100% battery driven aluminium catamaran**. The 80-meter-long vessel will be able to carry 120 cars and 360 passengers across the Sognefjord, in Norway.

The ferry is designed with energy efficiency as highest priority, affecting operation, hull shape, materials, and on-board systems. The ferry will ply its route 34 times daily, with a crossing time of 20 minutes. The estimated **time at port is 10 minutes**, which will be used to fully charge the on-board, 1-MWh lithium-polymer battery pack.

Why a Sustainia100 solution?

The electric car ferry now being produced by Fjellstrand does not discharge any greenhouse gases while operating. Compared to a standard diesel ferry serving the same route, the electric ferry will save about 1 million liters of fuel annually and prevent 570 metric tons of CO2 from entering the atmosphere, according to Norled. Besides environmental benefits, the ferry will feature lower operational and maintenance costs.

ENVIRONMENTAL
Domestic ferries in Norway emit approximately 400,000 metric tons of CO2 per year¹.

SOCIAL
With no air pollution or noise, the electric ferry is a pleasant and healthy alternative for both passengers and crew.

ECONOMIC
Compared to a standard diesel ferry, an electric ferry will save approximately 30% on fuel, operational, and maintenance costs.

Developed in Norway



Deployed in Norway



The world's first car ferry without any direct CO2 emissions will be trafficking Larvik-Oppedal, Norway.

¹ Opdal, O.A.: "Batteridrift av ferger".