

TBN Fjord1

Double-ended Ferry

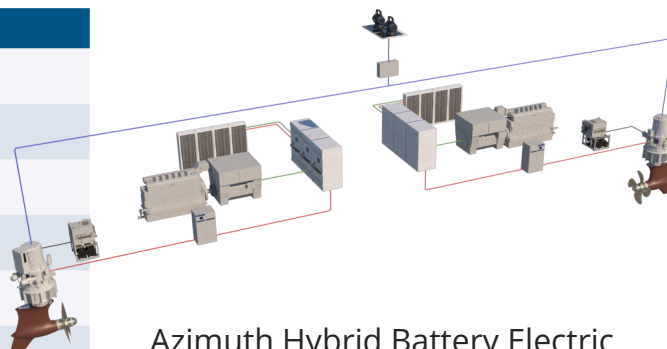


VESSEL INFORMATION

Owner	Fjord1 AS, Norway
Shipyard	Tersan Shipyard, Turkey
Hull Number	NB1113 & NB1114
Year Built	2023
IMO Number	9941738 & 9941740
Ship Design	HAV Design AS, Norway
Class	DNV - Ice C
Energy	Battery power, with diesel-electric back-up system

BRUNVOLL SUPPLY

Propulsion	2x Azimuth PUAU74 LNA2100, 1000 kW
Control System	BruCon Propulsion Control
Condition Monitoring System	BruCon CMS
Autonomy	BruCon Auto-Crossing



Azimuth Hybrid Battery Electric Propulsion System

The double-ended ferries will be equipped with a propulsion system configuration of two Brunvoll Azimuth Propulsion Thrusters of 1000 kW each. The vessels will be battery powered, charged when alongside. The propulsion system is designed with a diesel-electric back-up system, and thereby has the possibility to operate in full-electric, hybrid and diesel-electric modes.

The BruCon Propulsion Control System is based on a modern control system platform optimising performance of the entire propulsion and manoeuvring operation. BruCon Auto-Crossing is ensuring a safe and predictable transit between docks with the most energy efficient speed-profile possible. The BruCon CMS keep the operator informed of the equipment condition through an informative dashboard with traffic light indication.