



SUDRI ENABLER

Type: CSOV

Hull: Steel

Owner: Edda Wind ASA

This new CSOV (Commissioning Service Operation Vessel) has capacity for up to 120 POB and is fitted with a fully electric 3D crane and an integrated W2W system, composed by a motion compensated gangway and an elevator with capacity for 26 technicians. Designed to become one of the world's most environmentally friendly vessels of its kind, it is equipped with a truly innovative propulsion system: Two cycloidal propellers driven by permanent magnet electromotors. These "eVSP" propellers are powered by a "Hydrogen-Ready" diesel-electric power system, backed by two independent battery banks, and conceived with the ambitious target to operate with zero carbon emissions in the future.

MAIN PARTICULARS

General Information

Hull material	Steel
Type	Commissioning & Service Operation Vessels (CSOV)
Delivery	2024
DNV Class notation	✘ + 1A, SF, EO, DYNPOS AUTR, BWM-T, COMF C(2) V(2) CLEAN DESIGN, BIS, RECYCLABLE, NAUT (OSV), DK(+), SPS, BATTERY POWER, WALK2WORK, HELDK SH

Dimensions

Length overall	88,3 m
Length between perpendiculars	77,1 m
Breadth moulded	19,7 m
Depth moulded	7 m
Draught	5,3 m

Capacities

Fuel (MGO)	922 m ³
Fresh water	544 m ³
Deadweight	2.400 t
Cargo deck area	450 m ² outside deck

Accommodation

POB	120 (97 technicians + 23 crew)
Cabins	52 single cabins + 34 double cabins

PERFORMANCE & MACHINERY

Propulsion / Maneuvering

Propulsion System	Diesel-Electric/ Siemens BlueDrive PlusC Star Configuration
Main Engines	3 x CAT 3512E, 1,789 kW each
Main Propellers	2 x Voith Schneider eVSP 1,900 kW, with PM-type electro motors
Bow Thrusters	3 x Brunvoll Fixed Pitch thrusters, 1,300kW each

Features

Maximum Speed	13,5 kn
Endurance	30 days operation

EQUIPMENT

Deck / Special equipment

Cranes	1 x Foldable telescopic knuckle crane 1t @ 12m + Provision handling crane 1.18t @ 10m
3D Motion Compensated Crane	1 x Electrically powered, 5t @ 33.5 m capacity
W2W system (Walk to Work)	Fully integrated, electrically powered crew transfer system: motion compensated gangway (20.2m to 30.2m radius) + Elevator (26 people capacity)
Helideck	18.1 m diameter helideck, helicopter type: Augusta Westland AW 189, Airbus H175