



DIESEL-ELECTRIC DIVE SUPPORT VESSEL (DSV)

VESSEL DETAILS

Owner	BELOV Engenharia Ltda - BRAZIL
Year Built	2020
Length (LOA)	41.0m - 134.50ft
Beam	10.98m - 36.0ft
Construction	Aluminium
Ship Designer	Robert Allan Ltd
Shipyard	BELOV Engenharia Ltda
Gensets	Diesel 568kW @ 2300rpm e-Motor 500kW
Class	RINA

HAMILTONJET SUPPLY

Propulsion	3 x HM651 waterjets
Control System	MECS propulsion control system
Support	Integration support with diesel-electric system

DIESEL-ELECTRIC SYSTEM

These dive support vessels will maintain offshore assets, especially in deep water, by performing diving operations and ROV (remotely operated vehicles) surveys.

Fitted with dynamic positioning systems (DP2), four diesel generators, three waterjet propulsors and triple bow thrusters for redundancy. The propulsion system is diesel-electric to improve efficiency when operating in lower power DP modes.

The owner also had to squeeze in three 500kW AC Electrical electric motors and the waterjets into the constrained hull and allow for future maintenance. The vessel is certified as a Special Diving Support vessel suitable for Unrestricted Navigation by RINA.

The diesel-electric propulsion system consists of four identical Caterpillar C18 generators, each of 568 kW. This gives simplicity for maintenance and spare parts, and some of the generators can be shut off during periods of low power demand.