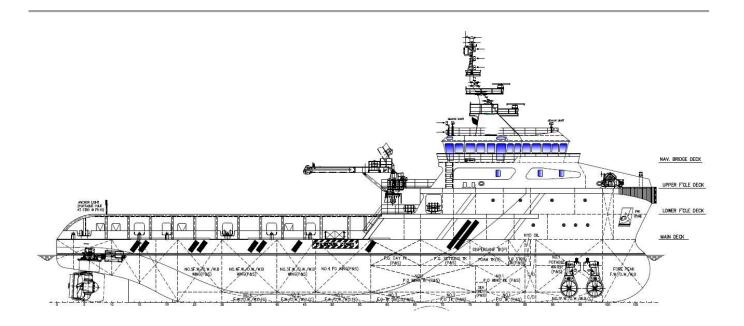
2 Sister Newbuild DP2 Multipurpose Offshore Support Vessels Delivery July-2025 | P&C Sale BRIEF SPECIFICATION



CLASSIFICATION

₩A1, Offshore Support Vessel (Supply-CHEM, FFV-1, OSR-C1, SPS), ©, ₩AMS, ₩DPS-2, UWILD, HAB(WB), ROV Capable and DSV Capable with vessel description "Offshore Support and Geo-technical Survey Vessel"

[Option: ESS-LiBATTERY]

COMPLIANCE

- Class Rules for Building and Classing of Steel Vessel, 2024
- Class Guide for shipbuilding and repair quality standard for hull structures during construction (latest version)
- Maritime Labor Convention 2006, with exemptions from requirement on individual sleeping room for each seafarer
- International Telecommunication and Radio regulation of 1973/1976 and 1982 including latest GMDSS-rules for radio communication
- International Convention for the Prevention of Collision at Sea 1972 including amendments
- International Convention for the Prevention of Pollution from Ships (MARPOL) 1973/1978, including latest amendments
- MSC Circ. 337(91) Code on noise levels on board ships
- IMO Resolution A719 (XVII) Prevention of Air Pollution on Ships
- International Convention on tonnage Measurements
- Maritime Laws and Regulation of Flag
- International Convention for the Safety of Life at Sea, 1974 including latest amendments (SOLAS)
- SPS Code 2008 (Calculation based on 60 POB)
 IMCA Guideline for Dynamic Positioning Class 2
- IMO A1122 (30) OSV Chemical Code (For mud / brine containing pollution hazard only substances with FP above 60°C)
- IMDG code for carrying packaged dangerous goods on aft deck

FLAG Malaysia

PRINCIPALLength overall: 64.80 mDIMENSIONSLength BP: 58.80 m

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BRIEF SPECIFICATION

Beam moulded : 16.00 m
Depth moulded : 6.80 m
Draft designed : 5.10 m
Draft maximum : 5.40 m
Freeboard : 1.40 m

Clear deck space : 420 m² (free from obstruction above)
Deck cargo : 600t @ 1m height from deck

Deck cargo : 600t @ 1m height Deck strength : 7.5 t/m²

Deck strength : 7.5 t/m^2 GT/NT : TBA

Deadweight : ~1,600 t at scantling draft

Speed : 12.5 knots @ 100% MCR, trial condition, ≤ BF2

Endurance : $\geq 30 \text{ days}$

Complement : 60 (upgradable to 80)

TANK CAPACITIES (APPROX.)

Base oil : 100 m^3

BULK HANDLING SYSTEM Dry bulk (cement) : $120 \text{ m}^3 \text{ (SG 2.5)}$ in 3 tanks Compressor : $2x 13 \text{ m}^3/\text{min} \text{ (a)} 5.6 \text{ bar}$

MAIN POWER PLANT

- Four (4) main medium speed diesel engines (running on MGO or bio-diesel) driving AC generators, each 1,280kWe, 690V/3Ø/60Hz (2 engines with front end PTO to drive FFV-1 pump via gearbox)
- One (1) harbour high speed diesel engine/AC generator, ~450kWe, 440V/3Ø/60Hz
- One (1) emergency radiator-cooled high speed diesel engine/AC generator, 99kWe, 440V/3Ø/60Hz

[Main diesel generators shall be arranged for parallel running with each other, and in short time paralleling with harbour or emergency diesel generator]

PROPULSION MACHINERY

- Two (2) azimuth steerable stern thrusters, FP propeller type in fixed nozzle, 4-bladed, each 1,800 kW, driven by AC motor and VFD starter. Controls at forward & aft stations in Wheelhouse
- Two (2) transverse tunnel bow thrusters, FP propeller type, 4-bladed, each 600 kW, driven by AC motor and VFD starter. Controls at forward & aft stations in Wheelhouse [All necessary controls and interface to DP-2 system to be provided]

DECK MACHINERY

• Two (2) anchor windlass/winch, electro-hydraulic driven with independent clutch for cable lifter, hawser drum and warping head, one 100% standby hydraulic pump

Nominal Pull : 10.0t @ 9 m/min

Cable Lifter : 2 x 440m of Ø40 mm chain

Chain Stopper : 2 x roller type, suitable for stud link chain

- Two (2) capstans, electro-hydraulic driven, 5t pull @ 0-15 m/min
- Two (2) tugger winches, electro-hydraulic driven, 10t @ 0-15 m/min
- Deck crane, electro-hydraulic driven, 5t/7.5t SWL @ outreach 15.0m/10.0m, telescopic boom type

64.8M MULTI-PURPOSE OFFSHORE SUPPORT VESSEL DE DP-2

BRIEF SPECIFICATION

LIQUID PUMPS Fuel

Fuel oil cargo: $1 \times 125 \text{m}^3 / \text{h}$ @ 80mhFresh water cargo: $1 \times 125 \text{m}^3 / \text{h}$ @ 80mhBallast water/drill water: $1 \times 100 \text{m}^3 / \text{h}$ @ 80mhBase oil: $1 \times 100 \text{m}^3 / \text{h}$ @ 80mhLiquid mud/brine: $2 \times 75 \text{m}^3 / \text{h}$ @ 20 bar

Mud agitator : One in each mud tank, variable speed type

LIQUID CARGO CONNECTION Fuel oil : 4" TODO coupling
Fresh water : 4" Camlock coupling
Drill water : 4" Camlock coupling
Base oil : 4" TODO coupling
Liquid mud/brine : 5" Camlock coupling

POWER SOCKET

4 x 440V/3Ø/60Hz4 x 220V/1Ø/60Hz

NAVIGATION SYSTEM Radars, DGPS, AIS, wind anemometer, VDR, gyro-compass, autopilot, magnetic compass, weather fax receiver, echo sounder, doppler speed log, BNWAS, ECDIS, navigation lights, CCTV

COMMUNICATION SYSTEM

GMDSS for Area A3, MF/HF radio station, VHF stations, PA/Talk Back system, sound powered telephone system, SSAS, Inmarsat C & Inmarsat F, VSat, SSAS, LRIT, navtex receiver, EPIRB, SART, Satellite TV

DYNAMIC POSITIONING SYSTEM DP-2 system with control consoles and independent joystick system located at aft of Wheelhouse in accordance with Class and IMCA, consisting of:

- Duplex DP workstations with two control and field cabinet
- One (1) Spotbeam
- One (1) Radius (optional)
- Two (2) DGPS
- Thee (3) MRU
- Two (2) UPS
- Two (2) printers
- One changeover switch (DP/IJS/manual control)

The system shall have interface with DGPS, gyrocompass, wind tracker, MRU, UPS, printer, etc.

FIRE FIGHTING EQUIPMENT

- External firefighting system in accordance with FFV-1 notation comprising with:

 Two (2) fire pumps, each 1,730m³/h @ 120mh, each driven by generator engine front PTO

 Two (2) fire monitors, one water 1,200m³/h and the other one water/foam 1,200/800m³/h

 One (1) fixed water spraying system water curtain
- Fixed CO₂ fire protection system for engine room

ENVIRONMENTAL PROTECTION EQUIPMENT

- Oil dispersant system 2 x 6m in length Spray Boom c/w standard proportional and metering device Oil dispersant system consisting of 2x 6m in length spray boom c/w standard proportional and metering device, foam tank
- One (1) MARPOL standard oily water separator complete with pump and oily water discharge alarm. Capacity 1 m³/h with oil content less than 15 ppm

64.8M MULTI-PURPOSE OFFSHORE SUPPORT VESSEL DE DP-2 BRIEF SPECIFICATION

• One (1) ballast water treatment plant to be installed in engine room with capacity to suit one (1) ballast water pump capacity

SAFETY EQUIPMENT

• Rescue boat, capacity: 6 persons in accordance with SOLAS requirement with purpose designed davit

ACCOMMODATION

Fully air-conditioned spaces c/w cooling/heating, air distribution, hot & cold-water systems in accommodation in following rooms:

- 6 x single berth cabins: 6 men
- 9 x twin berth cabins: 18 men
- 9 x quadruple berth cabins: 36 men

Total: 60 men

• Hospital/sick bay with 2 sick beds

SPARES

As per Class requirements

NOTE: ANY EXEMPTION REQUIRED FROM FLAG STATE SHALL BE THE RESPONSIBILITY OF THE BUYER

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