

## DP2 SUBSEA SUPPORT VESSEL



*Dynamically Positioned (DP-2) Offshore Subsea Support Vessel, well equipped for offshore Construction, ROV, Diving, Survey and Geo-technical support roles. She is built in 2011, DNV Classed vessel and fully SPS compliant, with an overall length of 82 meters and breadth of 20m she provides over 700m<sup>2</sup> of clear deck space, 150sqm of mezzanine deck and over 1,000mt of cargo carrying capacity.*

*This MPSV is equipped with a 50-ton SWL subsea crane capable of plumbing to water depth of 1,000m, and is configured with accommodation and facilities for up to 120 people, inclusive of marine crew.*

*Vessel is fitted with a Kongsberg KPOS Dynamic Positioning System (DP2). The DP system is supported by a HiPap 502 positioning system and additional position reference systems including taut wire that support manned diving operations.*

*In addition, this vessel is equipped with a Helideck suitable for Sikorsky 92 and is fitted with a 5.4m x 5.2m moon-pool. Dedicated hospital and project office facilities are available on-board.*

*This asset has a solid track record, reliable and proven work history.*

## MAIN DATA

Length Overall	82.20 m
Length Waterline	81.90 m
Breadth Moulded	20.40 m
Depth Moulded	7.00 m
Draft (max)	5.50 m
Built	2011
GRT/ NRT	4,399 / 1,319
Class	DNV
Notation	+A1(E) Offshore Support Vessel +AMS +DPS-2 SPS 2008 Compliant
Flag	TBD

## ACCOMMODATION

Total	120 pax
Configuration	8 x 1 berths 8 x 2 berths 24 x 4 berths
	Hospital / Sick Bay
Client Office	2 x client offices available

## LIFE SAVING EQUIPMENT

Life Rafts	2 x 16men davit launched type (SOLAS)
Lifeboats	2 x 60men totally enclosed lifeboat (SOLAS)
Fast Rescue Boat	1 x 15men c/w 160hp water jet

## RADIO AND NAVIGATION EQUIPMENT

GMDSS	Furuno RC-1800T (Area 3)
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## FUEL CONSUMPTION (Approx.)

Standby/Alongside	2.5m <sup>3</sup> / day
DP2 Mode	12 m <sup>3</sup> / day
Transit @ 9knots	12 m <sup>3</sup> / day
Transit @ 11knots	15 m <sup>3</sup> / day

## POWER AND PROPULSION

Main Engines	2 x 2,206kW at 750rpm Niigata 8L28 HX
Propulsion	2 x Niigata ZP-41 CP stern steerable thrusters
Shaft alternators	Main Engine front PTO, 1,000kW 440V/3pH.60Hz @ 0.8 P.F., 1,800rpm
Main Generators	4 x 910kW Caterpillar 3508B DITA with Stamford alternator 440V/3pH.60Hz @ 0.8 P.F., 1,800rpm
Emergency Generator	1 x 350kW Caterpillar 3412C with Stamford alternator 440V/3pH.60Hz @ 0.8 P.F., 1,800rpm
Bow Thruster	3 x 680kW electric-driven Kawasaki KT-88B3 double skin tunnel thruster, CPP, abt. 10.5t thrust each

## DYNAMIC POSITIONING

DP Classification	DP-2
DP System	Kongsberg Maritime KPOS 21 Independent C-Joystick system
Reference Systems	1 x HiPAP 500, 1 x Laser Cyscan 1 x Radius, 2 x DGPS Taut wire system (500m)

## CARGO CAPACITY

Deadweight	3,056 tons, approx. at 5.50 m draft
Deck Cargo	1,000 tons, approx.
Deck Strength	10.0t/m <sup>2</sup>
Main Deck Area	700 m <sup>2</sup>
Mezzanine Area	150 m <sup>2</sup>
Fuel Oil	800 m <sup>3</sup> (680 m <sup>2</sup> )
Fresh Water	800 m <sup>3</sup> , approx.
Ballast	1,700 m <sup>3</sup> , approx.
Freezer/ Chiller	50 m <sup>3</sup> / 47 m <sup>3</sup>

## DECK EQUIPMENT

Anchor Windlass & Mooring Winch	1 x electro hydraulic, Mentrade
Drum	200 m x dia 40 mm
Drum pull	5T x 10m/min
Gypsies	For 054 mm U2 rated pull 13T at 0-9 m/min
Warping Drum	400 mm
Anchors	2 x 2,835 kg high holding power
Chains	522.5 m (L) x 054 mm U2
Capstan	2 x 5T @ 15 m/min electro hydraulic
Deck Crane Main	Electro-hydraulic knuckle boom, main boom lifting capacity 50T @ 5m-12m / 20T @ 30 m (DAF 1.6) TTS GPCKO 2000-5-30
Deck Crane Auxiliary	Electro-hydraulic telescopic, Palfinger 5.9T @ 1.7m-6.9m / 2.2T @ 12.2m
Helideck	Aluminium type, suitable for Sikorsky S92 22.2 m. Max load: 12.8 tons

## MISCELLANEOUS

Search Lights	3 x 2,000kW
Flood Lights	5 x 1,000kW
Water Maker	2 x 30m <sup>3</sup> /day reverse osmosis type
Oily Water Separator	1 x 1m <sup>3</sup> /h DVZ
Sewage Treatment Plant	1 x 120 men EVAC STP 125C
Incinerator	1 x 500 kcal/h cap, sludge oil burning 65l/h

## INTERCOMMUNICATION SYSTEM

PA Talkback System
Self-Powered Telephone
Integrated Telephone System

## FIRE SUPPRESSION SYSTEM

Fixed Fire Extinguishing CO2 System in Engine Room
Local Water Mist Fire Fighting System in Engine Room
Fire Detection & Alarm System
Water Sprinkler & Foam System for Helideck

## CARGO PUMPS

Fuel Oil	1 x 100 m <sup>3</sup> /h at 75 m head, Azcue
Freshwater	1 x 100 m <sup>3</sup> /h at 75 m head, Azcue

## MOONPOOL

1 open bottom, approx. 5.4 m x 5.2m with damping swash bulkheads fore & aft & air vents
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