



HARKAND



HARKAND HALDANE NEWBUILD DP3 DIVE SUPPORT VESSEL

Featuring State-Of-The-Art
18-Man Saturation Diving System

DELIVERY
Q2 2016

DIMENSIONS
Length 121.0 m & Beam 23.0 m

ACCOMMODATION
120 persons

MAIN DECK AREA
1,050 m² @ 10t/m²

MAIN CRANE
250 t active heave compensated with hook depth of 3,000 m

DIVE SYSTEM
18-man, twin bell saturation diving system rated to 300 m (5.5m Hs)
2 x 18-man hyperbaric lifeboats

OTHER SERVICES
1 x DDC and 2 x LARS for surface diving

TECHNICAL SPECIFICATIONS

VESSEL IDENTIFICATION, MAIN PARTICULARS

Classification Society	DNV
IMO Number	IMO 9727833
Classifications	✘1A1, SF, E0, DYNPOS-AU-TRO, COMF-V(3)C(3), CLEAN DESIGN, NAUT-OSV(A), ICE-C, SPS, HELDK-SH, DSV SURFACE, DSV-SAT, DK(+), Recyclable
Flag	Marshall Islands
Dynamic Positioning	DP3
Dimensions	121.0 m x 23.0 m
Main Deck	1,050 m ² @ 10t/m ²
Max Draught	7.3 m
Year Built	2016

CRANEAGE

1 NOV Hydralift 250 t @ 10 m subsea crane with a max reach of 50 t @ 36 m
Main Winch: active heave compensated with hook depth of 3000 m single fall
Auxiliary winch: 40 t @ 38 m active heave compensated with a hook depth of 350 m, man-riding single fall
2 NOV 15 t @ 15 m subsea cranes with hook depth of 350 m, constant tension, man-riding

DIMENSIONS AND CAPACITIES

Length (LOA)	121.0 m
Length (LBP)	110.8 m
Breadth	23.0 m
Max Draught Midship	7.3 m
GRT	11,406 t (as per preliminary calculations)
DWT	5,500 t (as per contract build specs)
Main Deck	1,050 m ²
Top of Diving Hangar Deck	350 m ² / load capacity 2.5 t/m ²

ACCOMMODATIONS

Max POB	120
Single Cabins	32
Double Cabins	44
	(2) Client Cabins
	(1) Client Office
	(2) Conference Meeting Rooms
	(3) TV and Recreation Room
	(1) Cardio & Weight Room

ROV

One Obs-ROV in hangar, interfaces provided to add one WROV on main deck.
Capacity for additional observation class ROV
Deployment TBC
(1) Obs-ROV control room

DIVING SYSTEM

IMCA Standard
Drass Galeazzi 18-man twin bell system rated at 300 msw
2 x 3-man bells, each 6.5 m³
Bell handling approved to launch in 5.5 m Hs
35,000 m³ storage capacity gas capacity
2 x 6-man DDC (D/L) + 2 x 3-man DDC (D/L) (2,300 mm dia) with separated entry locks c/v toilet and showers.
2 x SPHL - hyperbaric lifeboats (18-man capacity each)
2 x TUP chambers (2,300 mm dia) for dive bell mating
Air Diving System: 1 x DDC (D/L) and 2 x 2-man LARS on starboard side, with possibility to install 2 x 2-man additional LARS

MACHINERY

Main Generators	4 x 3,300 kW, 690V/60Hz, 720 rpm
Ship Emergency Generators	1 x 342 kW, 1,800 rpm
Dive Emergency Generator	1 x 970 kW, 1,800 rpm
Bow Thrusters (Rolls-Royce)	2 x 1,500 kW Tunnel Thrusters
Bow Azimuth (Rolls-Royce)	2 x 1,200 kW Retractable Thrusters
Stern Thrusters (Rolls-Royce)	2 x 3,250 kW Azipull Thrusters

FUEL CONSUMPTION

Transit Speed (14 kts)	13 t/day - 127 days max duration
DP 3 Beaufort	15 t/day - 110 days of autonomy
DP 5 Beaufort	21 t/day - 80 days of autonomy

All fuel consumption figures are estimated and will be updated after sea trials.

HELIDECK

Construction	22.2 m diameter, Aluminium
Load Capability	Sikorsky S92, Sikorsky S61

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