



HARKAND



HARKAND DA VINCI DIVE SUPPORT VESSEL

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

DIMENSIONS
Length 115.4 m & Beam 22.0 m

ACCOMMODATION
120 persons

MAIN DECK AREA
1,120 m² with 10 t/m²

MAIN CRANE
140 t active heave compensated

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

OTHER SERVICES
2x DDC & 2x LARS for surface diving
Super Mohawk ROV spread

TECHNICAL SPECIFICATIONS

MAIN PARTICULARS

Owners	Harkand Atlantis Marine Investments Inc
IMO No.	9441233
Flag	Marshall Islands
Classification	DNV 1A1, CLEAN, CRANE, DSV-SAT, DSV-SURFACE, DYNPOS-AUTR, EO, FIRE FIGHTER II, HELDK-SH, COMF V(3), DK(+), SF.

DIMENSIONS & CAPACITIES

L.O.A.	115.40 m
L.B.P.	107.95 m
Beam	22.0 m
Depth main deck	9.00 m
Depth shelter deck	11.80 m
Draft max. (S.I.d)	7.035 m

PERFORMANCE CAPACITIES

Fuel autonomy	About 90 days (based on average use of 11 t per day)
Diving gas autonomy	18,000 m3 storage capacity
Drinking water autonomy	Self-sufficient (based on onboard water makers 2 pcs x 40 t, production capacity 40 t/day - 1 pc in use at a time)
Station keeping	ERN 99.99.99

MOONPOOLS

Bell
2 x (3.9m x 3.9m) aerated

Working
1x (5 m x 5 m) clear space, excluding baffles.
A 2,500 mm perimeter area around the working moon pool strengthened with additional 25 mm plate for equipment handling or work structure installation.

SATURATION & AIR DIVING SYSTEMS

Saturation Equipment Spread

Drass Galeazzi 18-man twin bell system rated at 300 msw
2 x 3-man bells, each 6.0 m3
Bell handling system with active shock absorption system.
Bell handling approved to launch in 4 m Hs
2 x 6-man DDC (D/L) + 2 x 3-man DDC (D/L) (2,200 mm dia)
2 x SPHL - hyperbaric lifeboats (18 man capacity each)
2 x TUP chambers (for dive bell mating)

Gas Storage

18,000 m3 gas storage below deck, gas transfer, chamber & diver gas reclaim systems

Air Diving Spread

2 x DDC (D/L) and 2 x 2-man LARS Air Dive System

DYNAMIC POSITIONING SYSTEM

Converteam ADP-21, dual redundant dynamic positioning system (AUTR/DPII) with DP references as follows:

1 x DGPS/GLONASS system comprising, 2 x VERIPOS LHD@-CGG2 integrated mobile unit for L1/L2 dual frequency GPS and GLONASS capability and integrated L-Band satellite and IALA/HF differential modulators

2 x DGPS C-NAV

1x CYSCAN laser reference system (heated version)

3 x motion reference sensors TSS DMS-10

2 x taut wire MK15 – NTD A-Frame 500m wire length

3 x Anemometer (with heating) Gill Wind Observer II
Hydro-acoustic USBL Ranger Pro (4,500m capacity)

3 x Ship's wideband transponders type Sonardyne DPT 8124 (3,000msw depth rating)

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