



**HORIZON
GEOSCIENCES**

HORIZON NOMAD

SURVEY CAPABILITIES

- WROV: Shark G3R
- MBES: NORBIT iWBMSH
- USBL: HiPap 350 and Sonardyne Scout
- SBES: SIMRAD EA400
- SSS: Edge Tech 4200
- Magnetometer: Seaspy
- 3 x shallow survey boats c/w: MBES, SBES, SBP, SSS
- Shallow Soil Sampling: Drop Corer

GENERAL DATA

- Type: DP11
- LOA: 60.00m
- LBP: 55.00m
- Breadth: 13.30m
- Depth: 5.00m
- Draft: 3.80m
- Classification Society: American Bureau of Shipping (ABS)
- Class Notations: ⚡A1, Offshore Support Vessel, Ⓢ, ⚡AMS, ⚡DPS-2
- Additional Notations: CRC
- Moonpool: 4.80m x 4.80m
- Full Deck Area: Working area: 334 sqm
- Deck Strength: 5T/M2
- Year of Build: 2013
- Yard: ASIMAR Bangkok

DP EQUIPMENT

- DP11: KPOS 21
- LTW: Bandak

MAIN ENGINE / GENERATOR

- Main Engine:

2 x Caterpillar
3512B-1174kW
@1600 rpm

- Propulsion: 2 x HRP AZIMUTH THRUSTER UNITS, HRP6000 TYPE HRP6111WM
- Bow Thruster: 2 x HRP 400C TT rate 350 kw x 1500rpm
- Main Generator: 4 x Cummins-STAMFORD 425kW/440 V/ Hz/3 Ph
- Emergency: 1 x Cummins-STAMFORD 64kW / 440 V/ 60 Hz/3 Ph

DECK EQUIPMENT

- Anchor: 2 x Stockless bower anchor 1590 kgs
- Anchor Windlass: Electro-hydraulic Combination Double gypsy Windlass/ Mooring Winch
- Boat Crane: Electro-hydraulic telescopic SWL 5t 360 deg outreach approx. 6m
- Deck Crane: MCT 35T @8m, 12T @ 18m

AUXILLIARY MACHINERY

- Fresh Water Maker: 2x5T/Day Reverse Osmosis
- Sewage Treatment: 1 x 52 men Vacuum, biology type
- Oily Water Separator: 1x1.0m³/hr with automatic 15ppm alarm
- FO Purifier approx.: 2 x 900 Ltr/Day
- FO Capacity: 489.1 m³ @ 100%, (415 m³ @ 85%)
- FW Capacity: 155 m³
- Ballast Water Capacity: 377.9 m³
- Main Pump: 1 x 25m³/hr @ 20 mh FO Transfer Pump





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1 x 25m³/hr @ 35mh FW Transfer Pump
2 x 35m³/hr @ 40mh Bilge/Ballst/GS Pump

NAVIGATION EQUIPMENT

- Radar: 2x Radar (X-BAND and S-BAND)
- Echo Sounder: Recording type colour echo sounder
- DGPS: Integrated with DP2 system
- Gyro Compass: 3 x Gyro Compass with microprocessor controlled digital and repeater
- Magnetic: Reflector type
- Compass: Fitted
- SSAS: Fitted
- AIS GMDSS AREA A1+A2+A3:
3 x Fitted
- VHF radio telephone with DSC
- Inmarsat-C
- NAVTEX Receiver: AC110/220V
- Portable VHF units: Suitable for GMDSS
TWO-WAY complete battery charger
Intercom system for all cabins, public space, service space and etc.
- Telephone System Station:
W 2xtalk back 16 line, 220 VAC,
According to SOLAS
- Talk Back and Public Address
- Engine telegraph: Fitted in wheelhouse console for communication between Bridge and Engine Room
- Sound power telephone: 9 stations

ACCOMMODATION

- 6 x Single Berth
- 22 x Double Berth
- 1 x Hospital Room
- Total = 50+2