



DP2 Geotechnical Drilling Vessel “Quest Horizon”

VESSEL FEATURES

- DP-2
- Multipurpose Site Investigation Vessel
- Kongsberg K-Pos DP-21
- cJoy Independent Joystick System
- Conference room, offices, online/offline rooms
- Accommodation for 58 personnel
- Dayrooms and mess rooms
- 370 m² deck area
- Moon-pool 4m x 3.6m

The following equipment available subject to project requirements:

GEOTECHNICAL EQUIPMENT

- Heave Compensated Drill Rig
- Wilson-APB Sampling, PCPT and Down-hole Vane Testing Equipment
- Containerized Mud Mix & Transfer system
- Fully Equipped Offshore Soil Testing Laboratory
- 200 kN seabed CPT system
- ROSON 40 kN CPT system
- Vibro / Drop / Gravity Coring

POSITIONING SYSTEM

- Dual Veripos Apex DGPS

GEOPHYSICAL EQUIPMENT

Analogue Geophysical

- Side scan sonar
- Sub bottom profiler (pinger / boomer)
- Magnetometer / Gradiometer for UXO Surveys
- Multi Beam Echosounder
- Single Beam Echosounder
- Motion sensors
- CTDS system
- Underwater positioning system

2D HR Digital Seismic Equipment (optional)

ROV EQUIPMENT

- Rovotics Shark G2 inspection class ROV

PRINCIPAL PARTICULARS

Year Built: 2013
 Builder: POET, China
 Classification: American Bureau of Shipping (ABS)
 Society: A1, Offshore Support Vessel, (E), AMS, DPS-2
 Class Notations: UWILD, CRC, RW

Additional Notations:
 Flag: Panama
 Call Sign: 3FQR9
 IMO Number: 9694218
 ISPS Code
 Compliant: YES



DIMENSIONS

Length Overall: 65 m
 Breadth Moulded: 16.2 m
 Depth, Main Deck: 6 m
 Design Draft: 4.70 m
 Dead Weight: 1,569 T (Full Load)

CAPACITIES

Fuel Oil: 430 m³
 Portable Water: 500 m³
 Clear Deck Area: 370 m²
 Open Deck Strength: 5 T / m²

PERFORMANCE

Maximum Speed: 12 knots
 Endurance: 45 Days

MACHINERY

Main: 2 x Niigata 6L 26 HLX 1471
 Engines: KW @ 750 Rpm
 2 x Nigata
 Propulsion: Fixed pitch Z drive propeller, kort nozzle
 Bow thrusters: 2 x 630 kW Rolls Royce
 Generators: 4 x 560 kW Caterpillar
 3 phase - 415 volts, 50 HZ
 Emergency Generator: 1x136 kW Volvo Penta D7A-T

DYNAMIC POSITIONING

Make: Kongsberg K-Pos DP
 Capacity: 1 x HiPAP 501
 2 x DGPS Veripos
 1 x Radius 1000
 1 x LWT Taut wire

DECK CRANE

Make: S. China Marine Mcy Co
 Capacity: Two fall @ 12 m 30 T
 Two fall @ 24 m 15 T

COMMUNICATIONS

V-SAT Internet and telephone
 VHF, GMDSS Radio Equipment etc.

DECK MACHINERY

Anchor: Hydraulic Driven
 Windlass: Double Gypsies
 Anchors: 2 x 1,980 kg HHP
 Stockless Bower Type
 Capstans: 2 x Vertical Type
 Capstans

LIFE SAVING APPLIANCE

In Compliance with SOLAS 1974
 1 x Fast Rescue Craft

ACCOMMODATION

Total Capacity: 58
 Single Berth Cabins: 8
 Double Berth Cabins: 17
 Four Berth Cabins: 4
 Offices: 4
 Client: 1
 Vessel: 1
 Ops/Survey: 2
 Hospital: 1 x 1 bed
 Gymnasium: 1
 Recreation room: 1
 Mess room: 1

NAVIGATION EQUIPMENT

- 1 x Radar X band / 1 x Radar S Brand
- DGPS (IMO Approved)
- ECDIS (Transas)
- AIS
- Echo Sounder
- Speed Log
- 3 x Gyro Compass System
- Autopilot (Simrad)
- Weather Fax Receiver
- BNWAS
- GMDSS Radio Equipment
- Navtex Receiver

Note: This specification is subject to change without notice