



# HORIZON GEOSCIENCES



## HORIZON GEOBAY

### VESSEL FEATURES

- DP-2
- Multipurpose site investigation vessel
- Kongsberg SDP 21 – HiPAP
- Helideck, Super Puma
- 30 t seabed crane with constant tension (1,500 m)
- Conference room, offices, online/offline rooms
- Accommodation for 66 people
- Dayrooms, mess and gym
- 469 m<sup>2</sup> deck area

The following equipment is available subject to project requirements:

### GEOTECHNICAL EQUIPMENT

- Fully Heave Compensated Drill Rig
- Wison-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

### GEOPHYSICAL EQUIPMENT

- Analogue geophysical
- 2D HR Digital geophysical (optional)
- Multi Beam Echosounder
- Single Beam Echosounder
- Magnetometer / Gradiometer for UXO Surveys

### ROV EQUIPMENT

- Horizon Shark G2 inspection class ROV

### POSITIONING SYSTEM

- CNAV & Veripos (Primary & Secondary)

### GENERAL INFORMATION

- Flag: Panama
- Call Sign: 3ETG2
- IMO Number: 7801556
- Class: A1, AMS, ACCU, DPS-2
- Rebuilt with DNV class notation: 1999

### DIMENSIONS

- LOA: 87.0 m
- Beam: 15.6 m
- Draught: 6.91 m
- Gross tonnage: 3,502 t
- Net tonnage: 1,051 t

### GENERATORS

- (4) Stamford LVSM 814 C2
- Output: Total 6,000 kW (440V 60 Hz)
- AUX. ENGINES
- (2) YANMAR 6GL-HT 720
- 750 kW each

### THRUSTERS / PROPULSION

- Stern thrusters / Propulsion  
(2) 1,400 kW CRP Aquamaster (azimuth)
- Bow thrusters: (2) 925 kW CP Kamewa (tunnel) (1) 830 kW Ulstein CP (azimuth)

### DECK EQUIPMENT

- 1 capstan
- 1 anchor winch
- 1 Hydralift crane (30 t / 10 m; 10 t / 20 m) wire length 1,500 m)

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FIRST-CLASS SURVEY AND GEOTECHNICAL SERVICES



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- Moon pool (4.8 m x 4.53 m)

Power supply on deck (for trencher, etc.):  
2,000 amp (440 v / 60 Hz)

## ACCOMMODATION

- 66 persons
- 26 single cabins / 20 doubles

## MAIN ENGINES

- (2) Caterpillar 3516B
- (2) Mitsubishi S12R-MPTK

## NAVIGATION & INSTRUMENTATION

- 2 JRC ARPA Radars
- 1 Navigation Echo Sounder
- 1 MARIS ECDIE900
- 1 Trimble DGPS
- 1 Ashtech DGPS/GLONASS
- 1 Simrad Autopilot AP 9 Mk III
- 1 Anschutz 20 digital gyroscope
- 1 Sperry Marine NAVIGAT 2100 fiber optic gyrocompass

## COMMUNICATIONS

- System in accordance with SOLAS requirements for GMDSS-A3
- 1 Nera Mini-M (Voice/Fax)
- 1 Schlumberger Rignet (V-Sat / KU-band) (optional)
- 2 GSM mobile telephones

## DYNAMIC POSITIONING SYSTEM (DP)

- 1 Kongsberg SDP 21 dual-redundant DP
- 2 Kongsberg HiPAP (dual mode)

## HELICOPTER DECK

- 19.5 m x 19.5 m (Super Puma)

## LIFE-SAVING EQUIPMENT

- 8 life rafts, capacity each: 25 persons
- 1 Norsafe Magnum (7,7 m) FRC
- 1 Vestdavit PL 3250

Note: This specification is subject to change without notice.