



### GENERAL INFORMATION

Type of Vessel	Geotechnical Survey
Year of Build	1978
Reconfigured	1999
Flag	Panama
Port of Registry	Panama
Call Sign	3ETG2
IMO Number	7801556
MMSI Number	354641000
Owner & Operator Information	Horizon Survey Company
Classification Society	ABS
DP Class	DP2

### CAPACITY

Fuel Oil Capacity	1010 m <sup>3</sup>
Freshwater Capacity	614.90 m <sup>3</sup>
Ballast Water Capacity	914.34 m <sup>3</sup>

### DIMENSIONS

Length Overall (m)	87
Breadth (beam) (m)	15.6
Depth (m)	10.49
Draft (m)	Max 6
Air Draft (m)	27.9
GT (t)	3502
NT (t)	1051

### MACHINERY AND PERFORMANCE

Main Engine(s) Type	Caterpillar 3516B (2x1901KW), and Power output	Mitsubishi s12R (2x1154KW)
Propulsion System	2x 1440 Kw CRP Azi Thrusters	
Auxillary Engines	Yanmar 6GL-HT (2x620KW)	
Speed	Eco	8 kts
	Max	13 kts
	Transit	10Kts
Crane / Lifting System	20T/20m	

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**ACCOMMODATION**

Accommodation: Nos. of Cabins	
Single	18
Double	12
Additional	4x6 (crew)
Total Berths	66
Laboratories	Survey Lab Geotechnical Lab
Workspaces for Onboard	
Laboratory	13 m <sup>2</sup>
Workspaces for Onboard Data	
Interpretation / Office	13 m <sup>2</sup>
Dedicated space for soil	
sample storage	13 m <sup>2</sup>
Passenger Capacity	Nil
Facilities Available <small>(eg gym, rec room)</small>	Gym, 2x TV lounge, sauna, cinema, conference room, client office

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**SAFETY**

Lifeboats and Life Rafts	8x inflatable liferafts (25 pax)
Firefighting Equipment	SOLAS-compliant FFE
Pollution Prevention	MARPOL-compliant SOPEP

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**NAVIGATION AND COMMS**

Advanced Radar Systems	2 JRC ARPA Radars
Positioning / Nav Systems	LEICA-MX420
DPS	Kongsberg SDP 21 dual
Comm Equipment <small>(VHF, HR, SATCOM)</small>	Sailor <small>(VHF DSC, MF/HF DSC &amp; SAT-C)</small>
AIS	Saab R4

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**SURVEY EQUIPMENT**

Rotary Drilling Equipment for BH (API)	K2-20 rig
Drill String Max Length	200m bsb with 150-200m water depth
Heave Compensation System	4m SBF & drill string
Mud System	Straight flush system, 10000 litre mud tanks with 2 compartments, 2x mud pumps
DtH In-Situ Testing Equipment	CPT, Seismic CPT
DtH Sampling Equipment	Piston Sampling, Push Sampling, Hammer Sampler
DtH Coring Equipment	PQ3 Triple-Tube Coring
Geotechnical Soils/Processing Lab	Yes
Data Processing and Analysis Facilities Onboard	Yes
Deep Seabed CPT Unit	No
Seismic CPT	Yes
Other	PS Logging, 3-Arm Calliper, In situ DtH HiRAT

