



GENERAL INFORMATION

Type of Vessel	Geotechnical Survey
Year of Build	2002
Reconfigured	2021
Flag	Panama
Port of Registry	Panama
Call Sign	3EXS8
IMO Number	9263514
MMSI Number	355847000
Owner & Operator Information	GARDLINE LTD
Classification Society	Bureau Veritas
DP Class	DP2
SPS	SPS

CAPACITY

Fuel Oil Capacity	1338.0 m ³
Freshwater Capacity	1000.0 m ³
Ballast Water Capacity	1156.2 m ³

DIMENSIONS

Length Overall (m)	83.7
Breadth (beam) (m)	19.7
Depth (m)	7.45
Draft (m)	Max 6
Air Draft (m)	26.5
GT (t)	3360
NT (t)	1263

MACHINERY AND PERFORMANCE

Main Engine(s) Type		
and Power output	Wartsila 9L20C2 (4x 1530 kW)	
Propulsion System	2x Azimuth Thrusters	
	2x Bowthrusters	
Speed	Eco	8.5 kts
	Max	13.5 kts
	Transit	10 kts

ACCOMMODATION

Accommodation: Nos. of Cabins	
Single	12
Double	13
Additional	3x Quad, 1x Hospital
Total Berths	48
Laboratories	Geotechnical Lab
Workspaces for Onboard	
Laboratory	13m ²
Workspaces for Onboard Data	
Interpretation / Office	13m ²
Dedicated space for soil	
sample storage	13m ²
Passenger Capacity	Nil

SAFETY

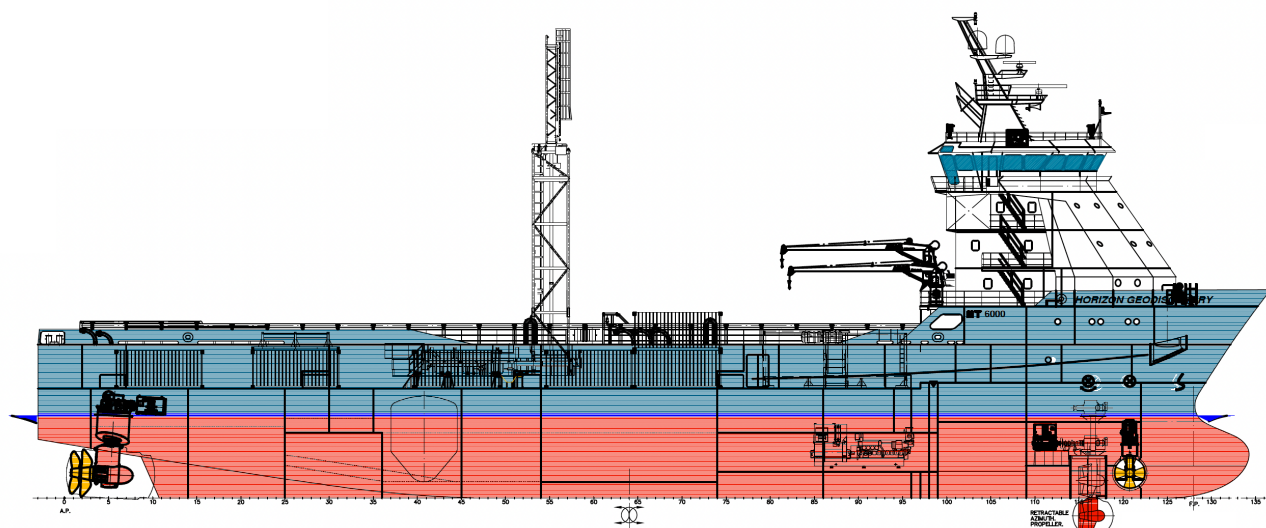
Lifeboats and Life Rafts	6x inflatable liferafts ^(25 pax)
Firefighting Equipment	SOLAS-compliant FFE
Pollution Prevention	MARPOL-compliant SOPEP

NAVIGATION AND COMMS

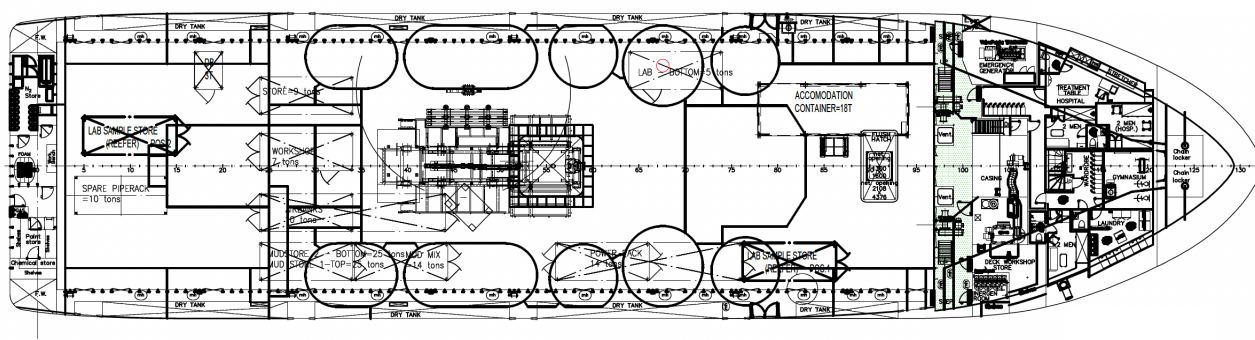
Advanced Radar Systems	Furuno FR-2137S & FAR-2818
Positioning / Nav Systems	Furuno GP-170 GPS
DPS	K-Pos DP-22 DGPS
Comm Equipment	Kelvin Hughes (VHF DSC, (VHF, HR, SATCOM) MF/HF DSC & SAT-C)
AIS	Furuno FA-170 AIS

SURVEY EQUIPMENT

Rotary Drilling Equipment for BH (API)	K5-20 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
SBES	Kongsberg EA400
USBL	Kongsberg HiPAP 501
Positioning Software	Gardline Voyager
Navigation Systems	Novatel Oceanix and Trimble RTX
Attitude and Heading	Hemisphere VS1000 with Kongsberg MRU5+



SIDE VIEW - PORT SIDE



TOP VIEW - DECK LEVEL