VESSEL SHEET

HORIZON PROSPECTOR
GEOTECHNICAL SURVEY



GENERAL INFORMATION	
Type of Vessel	Geotechnical Survey
Year of Build	2018
Reconfigured	2025
Flag	UK
Port of Registry	Lowestoft
Call Sign	MTAG9
IMO Number	9770189
MMSI Number	232064538
Owner & Operator Information	GARDLINE LTD
Classification Society	ABS
DP Class	DP2
SPS	SPS

CAPACITY	
Fuel Oil Capacity	1273.5 m^3
Freshwater Capacity	565.5 m^3
Ballast Water Capacity	1782.3 m^3

DIMENSIONS	
Length Overall (m)	78.25
Breadth (beam) (m)	21
Depth (m)	6.8
Draft (m)	5 - 6
Air Draft (m)	30.76
GT (t)	3739
NT (t)	1121

MACHINERY AND PERFORMANCE		
Main Engine(s) Type		Caterpillar 3516C (2 x 1700 kW)
and Power output		Caterpillar C32 (2 x 910 kW)
Propulsion System		2x Schottel SRP 1515 FP 1900
		kW each azimuth thrusters
		2x Bowthrusters
Speed	Eco	8 kts
	Max	12 kts
	Transit	10 kts

Gardline

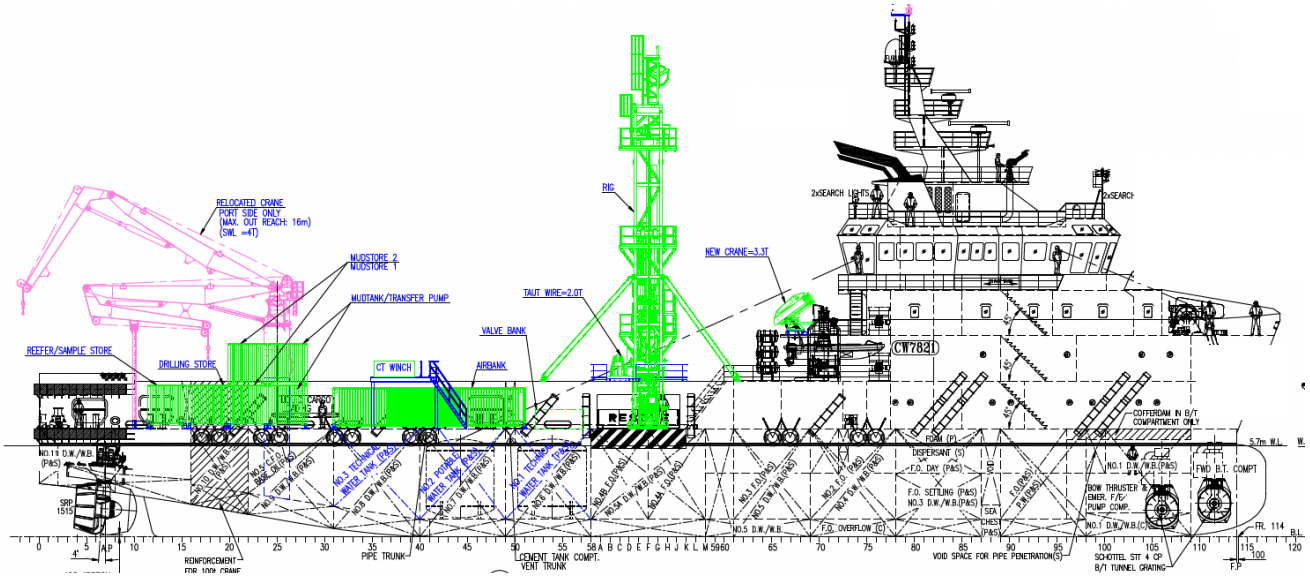
HORIZON PROSPECTOR
GEOTECHNICAL SURVEY

ACCOMMODATION	
Accomodation: Nos. of Cabins	
Single	15
Double	10
Additional	4x 4P cabins
Total Berths	51
Laboratories	Survey Lab,
	Geotechnical Lab
Workspaces for Onboard	
Laboratory	23 m^2
Workspaces for Onboard Data	
Interpretation / Office	23 m^2
Dedicated spce for soil sample	
storage	13 m^2 (reefer container)
Passenger Capacity	Nil
Facilities Available (eg gym, rec room)	Gym, rec room

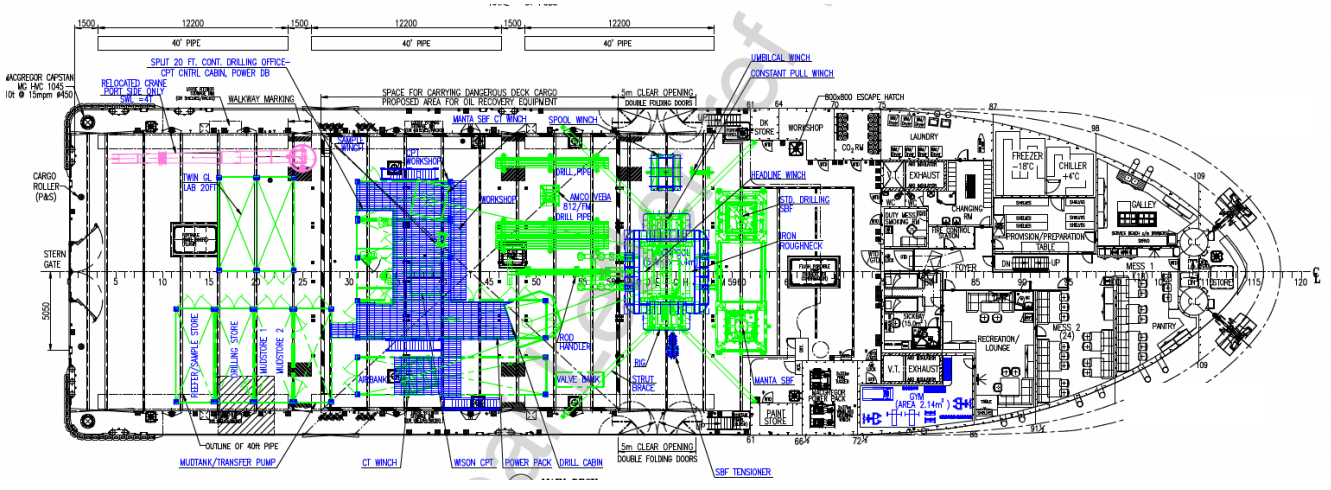
SAFETY	
Lifeboats and Life Rafts	8x inflatable liferafts (25 pax)
Firefighting Equipment	SOLAS-compliant FFE
Pollution Prevention	MARPOL-compliant SOPEP

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

SURVEY EQUIPMENT	
Rotary Drilling Equipment for BH (API)	K8-50 rig
Drill String Max Length	200m bsb with 600m water depth
Heave Compensation System	5m SBF & drill string
Mud System	Straight flush system, 10000 litre mud tanks with
	2 compartments, 2 x mud pumps
DtH In-Situ Testing Equipment	CPT, Seismic CPT, PS Logging, 3-Arm Calliper
DtH Sampling EquipmentDtH Coring 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	200kN Seabed CPT
Seismic CPT	Yes
Other	In situ DtH HiRAT
SBES	Kongsberg EA440
USBL	Kongsberg HiPAP 502
Positioning Software	Gardline Voyager
Navigation Systems	Trimble RTX and Trimble Marinestar
Attitude and Heading	Hemisphere VS1000 with Kongsberg MRU5+



SIDE VIEW - PORT SIDE



TOP VIEW - DECK LEVEL

2025 ©Gardline Limited
Great Yarmouth, Norfolk
www.gardline.com