

# HORIZON GEODRILL

Geotechnical Survey Vessel



HORIZON  
GEOSCIENCES

Gardline

COMBINED POWER IN GEOSCIENCES

## General

<b>Year of build</b>	2013
<b>Reconfigured</b>	2024
<b>Classification</b>	Bureau Veritas
<b>Class Notations</b>	DP2 / SPS
<b>Owner</b>	Gardline Limited
<b>Flag</b>	Panama
<b>Port of Registry</b>	Panama
<b>IMO / Call Sign</b>	9627289 / 3E5032
<b>MMSI Number</b>	352002726
<b>Max Speed / Eco Speed</b>	13.5 / 8.5 knots
<b>Transit Speed</b>	10 knots
<b>Endurance</b>	28 days
<b>Fuel Capacity</b>	907m <sup>3</sup>
<b>Fresh Water</b>	578m <sup>3</sup>
<b>Ballast Water Capacity</b>	1520.3cm
<b>Accommodation</b>	48 berths total: 8 single, 20 double
<b>Communications</b>	Starlink
<b>Facilities</b>	Gym, 2 x TV lounge, hospital

## Dimensions

<b>Length / Length Between</b>	81.6m / 70.6m
<b>Depth</b>	8.4m
<b>Beam</b>	18.4m
<b>Draft / Air Draft</b>	6m / 26.85m
<b>DWT</b>	4250
<b>GRT</b>	3,963T
<b>NT</b>	1188T
<b>Back Deck Space</b>	43m <sup>2</sup>

## Machinery

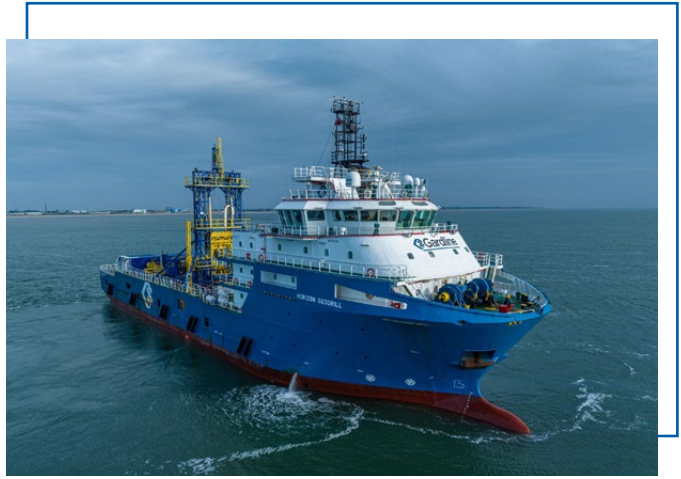
<b>Main Engines</b>	Wartsila W9L20 (4 x 1665 kW)
<b>Crane Lifting System</b>	5T/12m
<b>Propulsion</b>	2 x Azimuth Thrusters
<b>Thrusters</b>	2 x Jastram W90 (bow & stern)

## Navigation

<b>Dynamic Positioning</b>	Kongsberg DP
<b>Radar System</b>	Anschutz (X-Band & S-Band)
<b>AIS</b>	Saab R4
<b>Communications</b>	Sailor (VHF DSC, MF/HF DSC & SAT-C)
<b>Positioning Systems</b>	Veripos DGPS

## Safety

<b>Lifeboats and Rafts</b>	6 x inflatable liferafts (25 pax)
<b>Pollution Prevention</b>	MARPOL-compliant SOPEP
<b>Fire Fighting</b>	SOLAS-compliant FFE



## Geotechnical Equipment

<b>Rotary Drilling Equipment for BH (API)</b>	
<b>Rotary Drilling Equipment for BH (Geobor-S)</b>	Compatible as required
<b>CPT</b>	Range of down the hole CPT tools including 10cm <sup>2</sup> and 5cm <sup>2</sup> cone set ups
<b>Push Sampler</b>	
<b>Piston Sampler</b>	
<b>Wireline PQ3 coring</b>	
<b>Seismic CPT</b>	
<b>Geophysical borehole logging</b>	
<b>Drill string maximum length</b>	200m below seabed up to 600m water depth
<b>Heave Compensation system</b>	
<b>Automated pipe handling</b>	
<b>Data Processing and Analysis Facilities Onboard</b>	

## Laboratory

<b>Laboratories</b>	Survey Lab, Geotechnical Lab
<b>Onboard Workspaces</b>	13m <sup>2</sup> / 23m <sup>2</sup>
<b>Data Workspaces</b>	23m <sup>2</sup> Geotech Lab
<b>Soil Sample Storage</b>	1 x 20ft refrigerated container