



Mainport Geo

Offshore Survey Vessel

The Mainport Geo is a 50m DP2 Offshore Survey Vessel fitted for Geophysical survey projects.

She is permanently equipped with cutting-edge survey equipment, such as a Hull-Mounted Dual-Head Multibeam, Side Scan Sonar, Sub-bottom Profilers, Magnetometers and Gradiometers Frames to serve various types of works.

G-tec has completed several Geophysical Investigations and UXO Detection projects onboard the Mainport Geo for the Offshore Wind Industry.

Highlights

Cutting-Edge Equipment

Permanently Mobilised

High Workabilities

Starlink System

DP2 Vessel

Mainport Geo

Technical Specifications

General

Name	Mainport Geo
Year	2015
Classification	Bureau Veritas
Flag	Marshall Islands
Builder	Aksoy Gelibolu Shipyard Turkey
Call Sign	V7A4270
Imo No	9723667

Dimensions

Length Overall	50.00m
Beam	13.50m
Draft	4.30m
Net Tonnage	372 mt
Deck Space	190m ²

Machinery

Main Engines	4x Cummins KTA38-D(M1), 934 kW
Bow Thrusters	2x 400 kW CPP Hydraulic
Propulsion	2 x Stern Azimut BERG CCP thruster, 1200 kW
Cruising Speed	11.5 Knots
Survey Speed	3-6 Knots

Capacities

Fuel	281m ³
Fresh Water	425m ³
Water Maker	5 m ³ /day
Endurance	28 days

Deck Equipment

Deck Crane	12 mT @ 1.8-12m 10 mT @ 17.5m
A-frame	Flexible and Extendable for Various Towing Configurations SWL 15 mT
Winches	3x Survey Grade Winches

Accommodation

Total Cabins	21 Cabins – Flexible Occupancy
Work Offices	Survey room, Processing room, Client room, Meeting room

Positioning and Communications

DP System	DP 2
GNSS – 1 st Receiver	INS - SBG Navsight Apogee Marine (RTK and PPP compatible)
GNSS – 2 nd Receiver	MGB – Septentrio AsteRx4 (RTK and PPP compatible)
Gyro/MRU	INS - SBG Navsight Apogee Marine/ Kongsberg MRU-5
USBL	Kongsberg µPAP 201-3
Communications	V-Sat / Iridium, internal Wi-Fi
Connection	Starlink – High Speed Internet Connection

Survey Equipment

Multibeam Echosounder	Kongsberg EM2040 MKII
Sound Velocity Profiler	TeledyneOdom DigibarS DS / Valeport Mini SVS
Side Scan Sonar	Edgetech 4200/4205/4125
Sub Bottom Profiler	Innomar– SES 2000 Medium 100 / Edgetech 3400 Chirp / Boomer Applied Acoustics AA251/AA301
Magnetometer	Geometrics G882 – Single Sensor or Multi-Sensor Frame
UXO	Various Configurations up to Magwing® 6.10
2D/3D-UHRS	Source and Streamer mobilized as per requirements
Grab Sampling	Van Veen / Box-Corer

