

GEOSURVEYOR XVI

Survey & Support Vessel



GEOMATICS ENGINEERING SOLUTIONS



SUPPORT ACTIVITIES / VESSEL CAPABILITIES

- Site investigations
- Diving & ROV support
- Geophysical surveys
 - multibeam
 - singlebeam
 - high resolution seismic
 - side scan sonar
 - magnetometry
- Cable & Pipe route surveys
- Bottom and sediment sampling
- Density and shear strength measurements



TECHNICAL SPECIFICATION

General

Name	Geosurveyor XVI
Type	Catamaran
Material	GRP
Classification	15 miles (zone A1)
Built	2008
Port / Flag	London
Call Sign	OROO
MMSI	205511000

Dimensions

Length	11 m
Width	4,87 m
Draft	0,90 m
Tonnage	Tons

Accommodation

Licensed for	6 crew
Cabins	None
Electrical Systems	12 volt /24 volt / 220 volt

Machinery

Main engines	2x Cummins inboard
Propulsion	Fixed Propellers
Power output	2x220 BHP
Cruising speed	20 knots
Maximum Speed	28 knots

Tank Capacity

Fresh Water	10 L
Fuel	2x600 L

Control and navigation

Radars	Raymarine
DGPS Positioning	Raymarine
Echosounder	Raymarine
AIS	Raymarine 950
GMDSS	Mc Murdo

Deck Machinery

Moonpool	1
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Communications

VHF	Sailor RT 5022
	Navman 7100
Handset	GMDSS MC Murdo

Safety

Liferafts	6 Persons covered
Life Jackets	6 - SKB
EPIRB	Jotron Epirb 406/121.5Mhz
SART	Jotron Sart

Survey Equipment

Sounding MB	Kongsberg EM3002
	dual head multibeam system
Sounding SB	Knudsen 320 – 210/33 KHz
Heading / Motion	IxBlue Octans III attitude sensor
Positioning	Septentrio PolaRx3e dGPS receiver
Soundvelocity	Odom Digibar sound velocity probe and Valeport MiniSVS
Software	QPS Qinsy acquisition computer system
Electric	Solid state convertor and UPS