



FUGRO MERCATOR

The Fugro Mercator is a survey vessel of catamaran design which is fully equipped for bathymetric, geophysical surveys, cable and pipeline route surveys. It is well versed for offshore projects and ideally suited for nearshore area surveys.

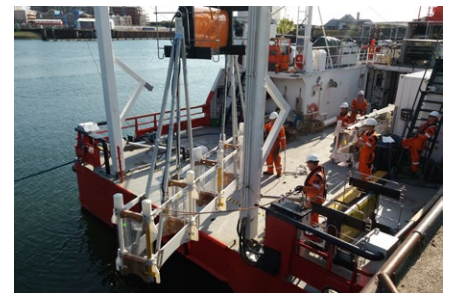
CUSTOM BUILT WITH NEW TECHNOLOGY

The *Fugro Mercator* is fitted with high-end hydroacoustics including multibeam echo sounders, side scan sonar and sub-bottom profiler. A 3-ton A-frame and knuckleboom crane, along with the dynamic positioning (DP) capabilities facilitate a range of services like UXO survey, inspection surveys and environmental investigations.

The *Fugro Mercator* was custom built for Fugro as a survey vessel in 2003.

Along with the most recent surveying equipment onboard, one of her greatest features is her very shallow draught of only 1.4m.

Throughout recent years the vessel has undergone various modifications in order to maintain her to industry standards and to fulfil evolving client requirements. The *Fugro Mercator* is an ideal survey vessel for both shallow water and continental shelf surveys.



Deployment of the Fugro GeoWing.



The Fugro Mercator is a custom built 42m survey vessel.

FUGRO MERCATOR

Technical Specifications

General

Name	Fugro Mecator
Classification	BV + 100 A5 K MC AUT
Owner	Fugro
Built	2003 lengthened in 2007
Builder	Damen shipyards, the Netherlands
Port / Flag	Nassau, Bahamas
Call sign	C6DU5
IMO No.	9299977

Dimensions

Length overall	42.35m
Beam	10.34m
Draught	1.4m
Gross tonnage	360 tons
Net tonnage	108 tons
Deck space	160m ²

Performance

Speed	12.5 kts cruise
Fuel consumption	< 2 t/day at survey speed
Endurance: cruise	10 days approx
Endurance: survey	21 days approx

Machinery

Main engine	2 x MAN 2876 LE 402
Power	2 x 375 kW
Propulsion	2 x Schottel STP 200 Azimuth
Bow thruster	1 x Tunnel 50 kW
Azimuth bow thruster	2 x Schottel SPJ17 @ 65 kW
Diesel generator	2 x 120 kVA GenSet 1 x 45 kVA GenSet
Electrical output	400 VAC / 50 Hz
Dynamic positioning	DP Kongsberg SDP10

Capacities

Fuel	40 m ³ MGO
Fresh water	10 m ³
Fresh water production	5 m ³ / day

Facilities

Survey	1 x on-line survey room
Processing	1 x off-line survey room
Other	1 x conference / dining room

Accommodation

Persons	18 total with full air-conditioning
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Main survey systems

Echo sounder	Simrad EA 400 Dual Frequency SBES (33 kHz/210 kHz)
Multibeam Echo Sounder	RESON SeaBat 7125 Dual Head (200kHz/400 kHz)
Side Scan Sonar	Edgetech 4200 300-600 kHz/300-900 kHz
Sub-bottom profiler	STR Digital Sub Bottom Transmitter Massa TR-1075 2 x 2 array
Magnetometer	Geometrics G-882 Marine Magnetometer
DGPS Positioning	Fugro StarPack G2+ / XP / G2
Motion Sensor	2 x Applinix POS-MV v5; iXSea Octans
Acoustic Positioning	Kongsberg HiPAP 351P SSBL (tilted 30° aft)
Sound Velocity Sensors	Valeport Mini SV, AML SV Smart Sensor, Reson SP70 SVS

Details of other survey systems are available on request

Handling equipment and winches

Crane	Palfinger PK 14080MC 13.4mt
Crane capacity	5700kgs @ 2,3mtrs and 720kgs @ 12,6mtrs
A-Frame	5m (h) x 4.2m (w) 3mt SWL w/3mt winc
Central winch	with 1000m tow-cable
USBL Moon Pool	0.6m x 0.9m
Main Moon Pool	2.25m x 1.5m

Bridge/radio room

Navigation	Radar Simrad Ra73
DGPS	Vessel has a GPS for navigation: FURUNO GPS navigator GP-150
Gyro compass	Navigat X
VSAT	E-mail & Internet
GSM	Iridium and Inmarsat C facilities

Information may be subject to change without prior notice.