

## MV Fugro Mercator



### Site and Hydrographic Survey Vessel

The survey vessel, MV Fugro Mercator, is operated by Fugro OSAE GmbH of Bremen, Germany with vessel management being provided by Fugro Marine Services BV from Leidschendam, Netherlands. Specifically designed as a multi purpose survey vessel, MV Fugro Mercator is permanently mobilised and can be rapidly deployed to survey locations worldwide.

The MV Fugro Mercator is fitted with a Kongsberg SDP11 Class 1A DP system, a full suite of analogue and digital geophysical equipment, including a Kongsberg EM3002 dual head swathe bathymetry system. With the provision of a suite of deck equipment which includes a 30 tonne A frame, 15 tonne hydraulic winch at 250m operating water depth, 3 tonne winch with 1500m operating water depth and clear deck area of 80m<sup>2</sup>, the vessel has a multi-role capability including pipeline and cable route surveys, high resolution seismic acquisition surveys and geotechnical and environmental surveys

utilising vibrocorers, CPTs, seabed camera, piston corers and grab samplers.

Clients within government agencies and the cable sector utilise the MV Fugro Mercator to obtain high resolution multibeam data for offshore mapping as well as the planning and designing activities within the offshore cable industry.

Fugro OSAE is accredited against the international quality standard ISO 9001:2008 and operates in accordance with a certified OHSAS 18001:2007 Health and Safety and an Environmental Management System formulated after standard ISO 14001:2004. Together these systems conform to all national and international legislation as well as industry guidelines, and provide mechanisms for integration with the company's management system. Fugro OSAE is a member of the multi-national Fugro Group of companies with about 13500 employees in over 50 countries. Clients can benefit from individual and collective experience of hundreds of survey professionals at Fugro Companies worldwide.

# MV Fugro Mercator



## Offshore Survey Vessel

Name	MV Fugro Mercator	Call sign / IMO n°	C6NV9 / 6825191
Built	1968	Classification	Bureau Veritas 06902E
Builder	Newport (South Wales), UK	Flag / Port	Bahamas / Nassau

### Main Dimensions

Length Overall	72.9m
Beam	11.6 m
Draft	4.7m (fwd), 6.3m (aft) <i>(incl. transducer gondola fwd)</i>
Gross tonnage	1538 tons
Net tonnage	461 tons
Free Deck space	80m <sup>2</sup>
Container slots	4 / 6 20 ft. (with stacking)

### Performance

Speed	10.0 knots (cruise speed)
Endurance (days)	30 cruise / 45 survey
Vessel stabilisation	Anti-rolling system
Dynamic Positioning	Kongsberg SDP11 + SJS01

### Capacities

Fuel	222 m <sup>3</sup> MGO
Fresh water	153 m <sup>3</sup> (tons)
Fresh water prod.	Reverse osmosis

### Machinery

Main engines	1 x Mirrlees Monarch 2308 BHP
Aux. power	Cummins Diesel: 1 x KTA50, 2 x KT1150G
Propulsion	Single screw, variable pitch
Bow thruster	1 x Brunvoll 900 Hp
Stern thruster	1 x Brunvoll 900 Hp
Generator	1 x Stamford 190 kW or 240 kVA; 1 x Stamford 250 kW or 310 kVA; 1 x Stamford 720 kW or 890 kVA

### Facilities

Survey	1 x data / nav. acquisition room 2 x engineer lab 1 x wet lab
Other	1 x processing room, office room, gym, hospital

### Accommodation

Vessel Crew	12
Passengers	15
Guests	4
Total capacity	22 single / 9 double berths
Air conditioning	Yes

### Bridge/Radio Room

Navigation	2 x Radar 1 x Gyro compass with autopilot
Communication	VSAT broadband satellite Internet service (e-mail & Internet access) VHF, GSM

### Main Survey Systems

Multibeam	Kongsberg EM 3002 dual head
Other	STN Atlas Deso 25 single beam Echosounder 4x4 TX Benthos Datasonics CAP 6600 Chirp II sub-bottom profiler - hull mounted 2 x Edgetech 4200 Side scan sonar Marine Magnetics G880 deep tow magnetometer SVPs, XBTs, gravity corer, grabs
Positioning	3 x Fugro Starfix SPM wide area DGPS system IXSea Octans Ring Laser Gyro Seatex Seapath 200 RTK Coda Octopus F180 motion heading and positioning sensor Kongsberg HiPAP 500 USBL underwater acoustic positioning

### Handling Equipment

Crane	Deck crane 1 x HMF 2T telescopic 6 ton stern A-frame
Other	2 x 1T towing davits

### Winches

Winches	1 x main A-frame winch 1 x Mid deck seismic winch 2 x 3T tugger winch 1 x sonar winch 1 x sparker winch 1 x MacArtney freefall coring winch
Other:	Multi-purpose base frame to mount lifting and handling gear above the boom, SWL 10 tons

### Vessel conforms to SOLAS requirements

*Specifications are subject to change without notice*