



# M.V. Fugro Meridian



Multi-role Geophysical and Hydrographical Survey Vessel

## Multi-role Geophysical & Hydrographic Survey Vessel

The M.V. Fugro Meridian, is operated by Fugro Survey Limited of Aberdeen, UK. Specifically designed as a multi purpose survey vessel, the M.V. Fugro Meridian is permanently mobilised and can be rapidly deployed to survey locations worldwide.

### Purpose built research vessel

M.V. Fugro Meridian, a purpose built research vessel is well appointed with a large mess-room, two lounges, en-suite cabins, two geotechnical laboratories and two large instrument rooms. The vessel is fitted with a Kongsberg SDP11 Class 1 DP system, a full suite of analogue and digital geophysical equipment. The vessel is provided with a suite of deck equipment which includes a 6 tonne A frame, a 5 tonne hydraulic winch with 2500m operating water depth and clear deck area of 20m<sup>2</sup>.

The vessel has a multi-role geophysical capability including 2D exploration seismic capability, pipeline/cable route surveys, high resolution site investigation surveys and environmental surveys.

Clients within the oil and gas industry, the cable sector and government agencies will be able to utilise the M.V. Fugro Meridian to obtain high resolution data for permitting, planning, design activities and engineering.

Fugro Survey is a member of the multi-national Fugro Group of companies with over 250 offices in 58 countries. Clients can benefit from individual and collective experience of hundreds of survey professionals at Fugro Companies worldwide.



Shaded Relief Bathymetry showing Sandwave detail



M.V. Fugro Meridian



Environmental Imagery



# M.V. Fugro Meridian

## Technical Specifications

### General

Name	M.V. Fugro Meridian
Classification	Ice Class 1C
Owner	Fugro
Built	1982 / 1997
Port / Flag	Nassau, Bahamian
MMSI No.	308036000
Call Sign	C6QR4
IMO No.	8101331

### Dimensions

LOA	72.5m
Beam	13.8m
Draught	6.8m
Tonnage	2255 t gross

### Accommodation

Cabins	26 pers + marine crew
Recreation	2 x Lounge / Video / WiFi Gym / Sauna

### Machinery

Main engines	Normo KVMB-12 2600 BHP
Propulsion	Single screw (Left), Variable Pitch
Bow Thruster	2 x 600 BHP
Stern Thruster	1 x 600 BHP
Cruising Speed	10 knots
Maximum Speed	10 knots

### Electrical Power

Generators	380 / 220 VAC, 60 KHz 3 x 212 kVA, 1 x 400 kVA, 1 x 28 kVA (Aux)
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### Capacities

Fuel Capacity	531m <sup>3</sup>
Fuel Consumption	4-5m <sup>3</sup> per day
Water Capacity	114m <sup>3</sup> fresh water
Water Making	Pau-Rochem RO Atlas Evaporator
Incinerator	Golar Marine OG200

### Control and Navigation

Autopilot	Robertson AP9 Auto Pilot
Dynamic Positioning	Simrad SDP 600 Class
Radars	JRC JMA-5310-6 / S-Band Furuno MU-231CR / X-Band
Gyrocompass	Sperry MK-37
DGPS Positioning	Starfix HP, XP and G2
GPS Navigator	Furuno GP-31, Magnavox MX100 & Furuno GP-90
Acoustic Positioning System	Kongsberg HiPAP 500
Vertical Reference Unit	DMS05, TSS HS-50, POS MV
Echosounder	JRC JFE - 380
AIS	Nauticast Xpack-DS

### Deck Machinery

Deck Crane	1 x 2.5 t, 1 x 1.5 t
Hydraulic A Frame	1 x 6.0 t
Hydraulic Winch	1 x 5.0 t
Towing Davit	1 x 0.5 t

### Communications

MF / HF	Skanti TRP 1000
VHF	Furuno FM-8800S & Skanti VHF-1000
Satcom	Inmarsat Mini M
Weather Forecasting	Furuno Navtex NX-700A, Worldwide GMDSS A3

### Safety

Lifeboats	2 x 40 pers covered
Rescue / MOB Boat	1 Avon Sea Rider FRC, 1 Ocean Safety Jonbuoy
Life Rafts	4 x 20 pers & 1 x 6 pers
Survival Suits	50 x Aquata/Viking/Crewsaver/Stearns
Life jackets (200%)	101 x Cosalt Premier / Viking
Work Vest	14 x Crewfit 275N
Emergency Radios /	3 x Skanti GMDSS VHF, 1 x Jotron Tron 40S EPIRB, 2 x Jotron Tron SART, 8 x Sea Marshall PLB-8

### Survey Equipment

Echo Sounder	Simrad EA500
Multibeam Echo Sounder	Simrad EM300 & Simrad EM1002
Sound Velocity Probe	2 x Midas SVX2, Sippican
Side Scan Sonar	Edgetech 4200
Sub Bottom Profiler	Geoacoustics hull-mounted 18 element array
Magnetometer	Geometrics G-882 Magnetometer
Mini Air Gun Energy Source	10 cu in sleeve air gun / wave shape kit
Firing Control	Syntron GCS 90
Hydrophone	Benthos 50/24p & 15/10p
Streamer Control	Digicourse 5010 & 5011
Logging / Digital Processing	GLOG / GPLOT
Seismic Recording System	HTi NTRS2 240 Channel
Multi Channel Streamer	HTi Seamux, Gel filled 600m @ 6.25m GPI, up to 3Km @12.5m GPI
Gun Source Arrays	TI sleeve, 140 cu inch & G 500 cu inch
Compressors	4 x Hamworthy (Pressure 138 bar)
Network	1.0 G Cisco local computer network
Geotechnical Capability	CPT's
Environmental Capability	Day / Van Veen Grabs, Stills & Video Camera. Box Corers - several options can be mobilised
Seabed Sampling	3m Gravity Corer, Grab Sampler
ROV Capability	Several options can be mobilised

Information may be subject to change without prior notice

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