



# FUGRO

## FUGRO MERIDIAN

The Fugro Meridian is a multirole survey vessel equipped to provide geophysical, hydrographic and shallow geotechnical services to clients across energy, infrastructure and telecoms. As we head into the energy transition, the geo-data delivered from the Fugro Meridian continue to assist industry in creating a sustainable future for all.

The suite of analogue survey equipment on the vessel includes single and multibeam hull-mounted echosounders and two sub-bottom profiler options. Digital sensors include an EdgeTech dual frequency 4200 side scan sonar for seabed imaging. For deeper subsurface investigation, the vessel utilises a Hydrosience SeaMUX digital system with variable streamer lengths and seismic source options from 140 to 500 cubic inches.

Precise subsea positioning of survey equipment is achieved via a hull-mounted HiPAP 500 USBL system. The design of the vessel permits simultaneous analogue and

digital survey operations, and back-deck storage capacity allows for multiple activities to be carried out in single campaigns.

In addition to the standard configuration, specialised equipment and personnel can be quickly mobilised to the Fugro Meridian to meet specific requirements. The field operations conducted by the vessel can also be seamlessly integrated with our autonomous and remote operations, reducing carbon footprint, increasing project safety, and advancing project delivery schedules.

### BENEFITS

- Reduced carbon footprint – efficient operations and innovative solutions
- Reduced project risk – stable platform for safe and remote operations
- Reduced project cost – advanced techniques for de-risking
- Advanced project schedule – optimal use of weather windows for fieldwork

# FUGRO MERIDIAN

## Technical Specifications

### General

Name	Fugro Meridian
Classification	Ice Class 1C
Owner	Fugro
Built	1982 (rebuilt 1997)
Port/flag	Nassau/Bahamas
MMSI no.	308036000
Call sign	C6QR4
IMO no.	8101331

### Dimensions

Length overall	72.5 m
Beam	13.8 m
Draught	6.8 m
Tonnage	2255 t gross

### Accommodation

Cabins	34 single 1 double
Hospital (optional)	1 single berth
Offices	1 client's office, meeting room
Recreation	2 lounges, video, 2 gyms, 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 kn
Maximum speed	10 kn

### Electrical Power

Generators	440/220 VAC, 60 kHz; 3 x 212 kVA, 1 x 400 kVA, 1 x 28 kVA (Aux)
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### Capacities

Fuel capacity	531 m <sup>3</sup>
Fuel consumption	4 m <sup>3</sup> to 5 m <sup>3</sup> per day
Water capacity	114 m <sup>3</sup> freshwater
Water making	8 t per day
Incinerator	Golar marine OG 200

### Deck Machinery

Deck crane	1 x SWL 6.25 t, 1 x SWL 1.5 t
Hydraulic A-frame	1 x SWL 15.0 t
Hydraulic winch	1 x 45 kNm, 1 x 30 kNm
Towing davit	1 x SWL 0.5 t

### Control and Navigation

Autopilot	Robertson AP9
DP system	Kongsberg K-Pos 2
Radars	JRC JMA-5310-6 S band Furuno MU-231CR X band
Gyrocompass	ALPHATRON Alphaminicourse
DGNSS positioning	STARFIX® G4/G2, G2+ and XP2
GPS navigator	FURUNO GP-32, SIMRAD MX 610
Acoustic positioning system	Kongsberg HiPAP 501
Motion reference unit	Seatech MRU5+ and Seapath 380
Echosounder	JRC JFE-380
AIS	JOTRON TR 8000

### 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

Rescue boats	Avon Searider FRC, Ocean Safety Jonbuoy
Life rafts	8 x 20 person
Survival suits (100 %)	50 x Aquata, Viking, Crewsaver, Stearns
Life jackets (200 %)	101 x Cosalt Premier, Viking
Work vests	14 x Crewfit 275N
Emergency radios/beacons	40S EPIRB, 2 x Jotron Tron SART, 8 x Sea Marshall PLB-8

### Survey Equipment

Echosounder	Kongsberg EA600
Multibeam echosounder	Kongsberg EM302 and EM710
Sound velocity probe	2 x Midas SVX2
Side scan sonar	EdgeTech 4200, 4205
Sub-bottom profiler	GeoAcoustics hull-mounted 18-element array
Magnetometer	Geometrics G-882
Mini airgun energy source	10 in <sup>3</sup> sleeve airgun/wave shape kit
Firing control	Real Time Systems Hotshot
Hydrophone	STR 24 element single channel hydrophone array
Streamer control	Digicouse System 3, 5010 and 5011 Digibirds
Logging/digital processing	GLOG/GPLOT
Seismic recording system	HTi NTRS2 240 Channel
Multichannel streamer	HTi Seamux gel-filled 600 m/1200 m @ 6.25 m GPI
Gun source arrays	152 in <sup>3</sup> Mini G-Gun Array
Compressors	4 x Hamworthy 4TH1 90W70 MK I
Network	1.0 G Cisco local computer network
Geotechnical capability	CPT, gravity corer, box corer
Environmental capability	Day and Van veen grab samplers, drop-down SES stills and video camera, 3 m gravity corer, box corer
Remotely operated vehicle capability	Several options can be mobilised

