



M.V. Fugro Discovery



Multi-role Geophysical and Hydrographical Survey Vessel

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M.V. Fugro Discovery is a recent addition to the Fugro fleet. This vessel, which was purpose built for the Norwegian Navy, has undergone a recent conversion to provide multi-role survey capabilities, under the operatorship of Fugro Survey Limited of Aberdeen, UK. The vessel has permanently mobilised geophysical and hydrographical survey spreads, ready for rapid deployment to survey locations worldwide.



Environmental Imagery using a Clear Water Lens

Reliable and well appointed survey vessel

M.V. Fugro Discovery, built in 1997 and subsequently maintained to the high standards demanded by the navy, provides Clients with a reliable and well appointed survey vessel with multi-role capability, ROV inspection, pipeline and cable route surveys, high resolution seismic acquisition surveys, geotechnical and environmental surveys.

The vessel is fitted with an auto positioning system, a full suite of modern analogue and digital geophysical equipment and a comprehensive suite of deck equipment which includes a 16 tonne A frame

The design of the vessel permits simultaneous analogue/digital survey operations. Geotechnical and Environmental duties can also be undertaken. At 70m LOA and accommodation for 24 en suite single and double cabins the M.V. Fugro Discovery is a comfortable and spacious vessel on which to work.

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



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Shaded Relief Bathymetry showing Sandwave detail



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Technical Specifications

General

Name	M.V. Fugro Discovery
Classification	DNV, 1A1 ICE-1B E0
Owner	Fugro
Built	Naval Shipyard, Gdynia, 1997
Port / Flag	Panama
MMSI No.	372698000
Call Sign	3EKE6
IMO No.	9152882

Dimensions

LOA	70.0m
Beam	12.6m
Draught	6.0m
Tonnage	2018 t gross

Accommodation

Cabins	12 single en-suite 11 double en-suite
Hospital	1 single berth
Offices	1 clients office
Recreation	2 x Lounge / video 1 x gym

Machinery

Propulsion	MaK M32 2640kW Finnoy 3.75 : 1 gearbox
Bow Thruster	Elliot White Gill 470kW
Rudder	Single Finnoy
Cruising Speed	10 knots
Maximum Speed	13 knots

Electrical Power

Shaft Generator	990 kW
Main Generator	690 kW
Emergency Generator	513 kW

Capacities

Fuel Capacity	460m ³
Fuel Consumption	6m ³ per day
Water Capacity	300m ³ fresh water
Water Consumption	7m ³ per day

Control and Navigation

Autopilot	Robertson AP9 Mk3
Dynamic Positioning	Simrad SDP 01
Radars	VisionMaster FT X/S-band (x2)
Gyrocompass	Robertson RGC-11 TSS Meridian
Satellite Positioning DGPS	Starfix Starpack x 3
Acoustic Positioning System	Kongsberg HiPAP 500
Vertical Reference Unit	Seatex MRU 5 Kongsberg Seapath
On/Offline Navigation Systems	Fugro Starfix SEIS/PROC
Echosounder	Furuno FE 680
Speedlog	Ben Marine

Deck Machinery

Deck Crane	1 x GMC 3.0 t / 12m
A Frame	16 t (SWL)
Winches	20 t CPT Winch & Various Survey Winches
Viscovo Marine Crane	12m x 1 t, 4m x 3 t

Communications

MF / HF	Skanti TRP 9000
VHF	2 x Sailor RT 2047 & 2 x Sailor RT 2048
Inmarsat B	Furuno Felcom 80
Inmarsat C	Thrane&Thrane TT3020
KU Band	Telenor Sealink
Epirb	Jotron Tron 40S
VHF Handheld Radios	Motorola Associate 2000
Navtex	Furuno NX-500

Safety

Rescue / MOB Boat	Noreq FRB650 13 pers
Life Rafts	2 x 35 pers & 2 x 20 pers
Man Overboard Liferaft	1 x Jon Buoy fitted to Stern
Survival Suits (100%)	Harvey Survival Suits
Life jackets (200%)	Seamaster Life jackets
Breathing Devices	4 x Breathing Apparatus Stations
Emergency Radios / Beacons	2 x Jotron SART 1 x Jotron 30S MkII

Survey Equipment

Echo Sounder	Kongsberg EA400
Multibeam Echo Sounder	Kongsberg EM710
Sound Velocity Probe	2 x Valeport
Side Scan Sonar	Edgetech 4200
Sub Bottom Profiler	Hull Mounted Pinger (4 x 4 Array)
Magnetometer	Geometrics G-882 Magnetometer
Mini Air Gun Energy Source	10 cu inch sleeve gun
Firing Control	MuCAS
Hydrophone	Benthos24 Element Mini-Streamer
Streamer Control	Digiscan / Digicourse
Logging / Digital Processing	GLOG / GPLOT
Seismic Recording System	NTRS 2 Recording System
Multi Channel Streamer	Seamux gel filled digital streamer
Sound Source	6 x I/O Sleeve Guns (2 x 10, 2 x 20, 2 x 40)
Compressors	4 x Hamworthy
Geotechnical Capability	CPT's and Vibrocores
Environmental Capability	Day / Van Veen Grabs, Stills & Video Camera. Box Corers - several options can be mobilised
Seabed Sampling	Free Fall Gravity Corer
ROV Capability	Several options can be mobilised

Information may be subject to change without prior notice

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