



M/V Fugro Discovery



Multi-role Geophysical and Hydrographical Survey Vessel

Fugro has recently acquired KV Tromso from Troms Offshore AS. This vessel, which was purpose built for the Norwegian Navy, and renamed M/V Fugro Discovery, has undergone a recent conversion to provide multi-role survey capabilities, under the operatorship of Fugro Survey Limited of Aberdeen, UK. An ex-coastguard vessel, M/V Fugro Discovery has permanently mobilised geophysical and hydrographical survey spreads, ready for rapid deployment to survey locations worldwide.

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.

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

Fugro Survey is accredited against the international quality standard ISO 9001:2000 and operates in accordance with a Health, Safety and Environmental Management System which is integrated with its Quality Management System. 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 Survey Limited 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.

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www.fugro.com

M/V Fugro Discovery

NAME	M/V Fugro Discovery	PORT	Panama
CLASSIFICATION	DNV	MMSI NO	372698000
OWNER	Fugro	CALL SIGN	3EKE6
BUILDER	Naval Shipyard, Gdynia, 1997	CIMO	9152882
FLAG	Panama		

Dimensions

LOA	70.0m
Breadth	12.6m
Draught	6.0m
Tonnage	1991T Gross; 597T Net

Accommodation

Cabins	12 single en suite 11 double en suite 1 single berth
Hospital	1 clients office
Offices	2 x TV/Video lounge
Recreation	1 x Gym

Machinery

Main engine	MaK M32 2640kW
Propulsion	Finnov 3.75:1 gearbox Elliot White Gill
Bow thrusters	470kW Single Finnov
Rudder	17.0Kts maximum
Speed	
Electrical Power	Shaft generator 990kW Main generator 690kW Emergency 513kW

Capacities

Fresh water	300 cu
Consumption	7 per day
Reverse Osmosis	N/A
Fuel	460 cu
Consumption	6 per day

Deck Machinery

Deck crane	1 x GMC 3t/12m
A-Frame	16 tonne (SWL)
Winches	20 tonne CPT winch Various survey winches
Viscovo Marine Crane	12936m x 1 ton 4m x 3 ton

Mooring System

Twin Anchors

Control and Navigation

Auto Pilot	Robertson AP9 Mk3
Dynamic Positioning	Simrad SDP 01
Radars	Furuno S-band Furuno X-band
Gyrocompass	Robertson RGC-11 Anschutz STD-IV
Satellite Positioning	Starfix HP and Starfix Spot
DGPS	Fugro Seastar
Acoustic Positioning System	Kongsberg HiPAP 500
Vertical Reference Unit	Seatex MRU 5 Kongsberg Seapath*
Online/offline Navigation Systems	Fugro Starfix-Seis/ Fugro Starfix-Proc/
Echosounder	Furuno FE 680
Speed log	Ben Marine

Communications

MF/MF	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 Hand held radios	Motorola Associate 2000
Navtex	Furuno NX-500

Safety

Rescue/MOB Boat	Magnum 750 10 persons
Life rafts	2 x 20 persons + 2 x 35 persons
Man Overboard Liferaft	1 x Jon Buoy fitted to stern
Survival Suits/Life Jackets	Harvey survival suits / Seamaster life jackets
Breathing Devices	4 x Breathing apparatus stations
Emergency Radios/beacons	3 x Jotrun SART 1 x Jotrun 30S MkII

Survey Systems

Multi Beam Echosounder	Kongsberg EM710 Kongsberg EA400
Sound Velocity Probes	2 x Valeport
Side scan Sonar	Edgetech 4200*
Sub Bottom Profiler	1 x Hull mounted pinger
Mini Air Gun	
Energy Source	10 cub inch sleeve gun
Firing Control	Geo Acoustic timer
Hydrophone Streamer	Geo Acoustic streamer
Logging/Digital Processing	Digi course Glog/Gplot*
Seabed Sampling	Free fall Gravity corer and winch
Seismic Recording System	NTRS 2 recording system
Multi Channel Streamer	Seamux gel filled digital streamer
Compressors	4 x Hamworthy