This vessel, which was purpose built for the Norwegian Navy, has undergone a conversion to provide multi-role survey capabilities. The vessel 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 survey equipment and a comprehensive suite of deck equipment which includes a 16 tons A frame.

The design of the vessel permits all kinds of simultaneous geophysical survey operations as well as geotechnical and environmental investigations. At 70 m LOA and accommodation for 24 en suite single and double cabins the M.V. Fugro Discovery is a comfortable and spacious vessel to work on.

Hydrographic offices and Clients within the power- and communication cable industry will be able to utilise the M.V. Fugro Discovery to obtain high resolution data for permitting, planning, design activities and engineering.
M.V. FUGRO DISCOVERY

Technical specifications

General

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

Dimensions

LOA: 70.0 m
Beam: 12.6 m
Draught: 6.0 m
Tonnage: 2018 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: 460 m³
Fuel Consumption: 6m³ per day
Water Capacity: 300 m³ fresh water
Water Consumption: 7m³ per day

Control and Navigation

Autopilot: Robertson AP9 Mk3
Dynamic Positioning: Kongsberg K-POS
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: Kongsberg & Seapath330+ incl. MRU 5+
On/Offline Systems: Qincy / Starfix NG / Caris & various Geophysical SW
Nav echosounder: Furuno FE 680
Speedlog: Ben Marine

Deck Machinery

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

Communications

MF / HF: JRC JSS-2150 NTD-2150
VHF: 2 x Sailor RT 2047 & 2 x Sailor RT 2048
Satellite: Iridium
Inmarsat C: Thrane&Thrane TT3020
VSAT/Ku Band: Marlink / Sealink / Sea Tel (2 x sets)
Epirb: Jotron Tron 405
VHF Handheld Radios: Motorola GPO 340
Navtex: Furuno NX-500

Safety

Rescue / MOB Boat: Noneq FRB650 13 pers
Life Rafts: 2 x 35 pers & 2 x 20 pers
Man Overboard Lifeboat: 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 EM400
Multibeam Echo Sounder I: Kongsberg EM 712 0.5° x 0.5° 40 kHz to 98 kHz
Multibeam Echo Sounder II: Kongsberg EM 122 1.0° x 2.0° 12 kHz
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 / Digiscourse
Logging / Digital Processing: GLOG / SPLOT
Seismic Recording System: NTRS 2 Recording System
Multi Channel Streamer: Seamount gel filled digital streamer
High Resolution Seismic Source: 6 x V/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 Grab, Stills & Video Camera.
Deep Water Video Grab
Seabed Sampling: Box Corers - several options can be mobilised
Gravity Corer / Piston Corer
ROV Capability: Several options can be mobilised