



# FUGRO

## M.V. FUGRO EQUINOX

Fugro Equinox is a dedicated survey vessel, built and equipped to the highest standards. Operating out of Singapore and mainly serving the Far East, the vessel has also conducted survey work in Africa and Europe.

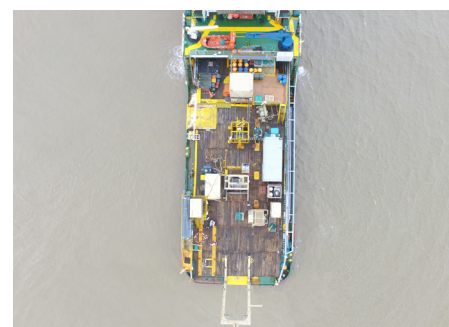
### DESIGNED FOR SURVEY

Equinox's permanently installed equipment includes the latest in digital seismic, seabed and sub-seabed mapping systems.

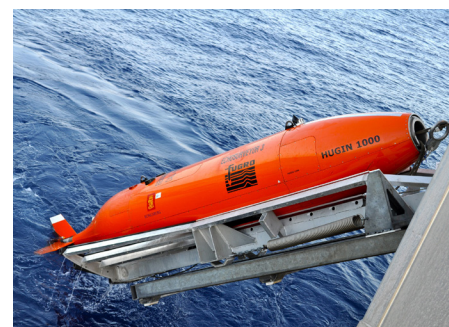
Acoustic positioning is provided by a through-hull USBL system. Surface positioning is delivered by Fugro's Starfix high precision GNSS. All acquisition, navigation, processing, charting and reporting systems are networked and integrated through industrial grade servers. See overleaf for full vessel technical specifications.

The vessel can carry out a full range of offshore survey services, from simultaneous analogue and digital site surveys, through to route surveys. In addition, a Fugro owned AUV system can easily be mobilised on the vessel without affecting other survey capabilities. ROV inspection and more complex geotechnical spreads can also be mobilised, as required.

Fugro Equinox is a comfortable environment to work in, thanks to its spacious cabin accommodation (35 beds), and 60 metre length.



*The spacious deck area of Fugro Equinox*



*Deploying an AUV from the vessel*

# M.V. FUGRO EQUINOX

## Technical Specifications

### General

Name	Fugro Equinox
Classification	BV
Owner	Fugro Equinox Inc.
Operator	Fugro Marine Services Pte. Ltd
Built	2011
Port of registry	Nassau, Bahamas
Call Sign	C6AJ8

### Dimensions

Length	60.0 m
Beam	16.0 m
Draft	4.85 m
Tonnage	1,642 t gross

### Accommodation

Cabins (all en-suite)	Up to 35 persons
Sick bay	Provided

### Machinery & Performance

Propulsion	2 x CUMMINS QJSJ 2x2200 BHP@1800RPM
Bow Thruster	1 x KAMOME CPP TCB
Speed	10 - 12 knots
Endurance	31 days

### Electrical Power

Generator sets	2 main engine driven generators 875 kVA (700 kW), 415 V, 50 Hz 2 diesel generators 313 kVA (250 kW), 415 V, 50 Hz
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### Capacities

Fuel	526 m <sup>3</sup>
Fresh water	507 m <sup>3</sup> (75 tons)
Water maker	5 m <sup>3</sup> per day

### Deck Machinery

Deck Crane	1 x Marine ME 5 t/8m crane
Stern hydraulic A-frame	Dynamic SWL 8.0 t
Port side A-frame	Dynamic SWL 3.9 t
Capstan	2 x 6T SWL

### Control & Navigation

RADAR	Furuno FAR 21x7, X-Band1
Gyrocompass	2 x Anschutz STD-22
DGPS/GPS	1 x MX Marine MX420 & 1 x Furuno GP150
Doppler speed log	Furuno DS-80
Echosounder	Furuno FE-700
ALS	Furuno FA1502
NAVTEX	Furuno NX-700B
VHF/SSB	2 x Sailor 6222 VHF-DSC & 1 x Furuno FS-257C
Inmarsat - C1	Furuno MES FELCOM 15 (LRIT)
Inmarsat - C2	Furuno MES FELCOM 15 (SSAS)
Fleet broadband	Sailor 150

### Safety Equipment

Rescue/MOB Boat	1 x davit launched
Life rafts	4 x 25 Persons
Life jackets	64 pcs
Fire detection	Minerva Marine T1008

### Survey Equipment

DGPS positioning	Starfix G2 High Accuracy
Online navigation system	Fugro Starfix.Seis
Offline processing system	Fugro Starfix.Proc software
Acoustic positioning	Kongsberg HiPAP 500 USBL
Echosounders	Odom Echotrac MKII 12 / 24 / 200 kHz
Multi beam echosounder	R2Sonic 2024 / Reson SeaBat 8160
Motion compensation	F180+, DMS 2-05
Sound velocity probe	Valeport MIDAS SVX2
Side scan sonar	GeoAcoustics I59D & EdgeTech 4200
Sub-bottom profiler	4x4 pinger array, GeoAcoustics surface-towed boomer system 10 cu. in. mini gun with wave shape kit
Hydrophone streamer	GeoPulse 5110A 20-Element
Data logging and processing	Starfix GLOG/GPLOT
Marine magnetometer	Seaspy Overhauser type
2D seismic recording	HTI NTRS2
Streamer	HTi SeaMUX 12.5m group length
Depth controllers	DigiCOURSE 5010 & 5011
Firing control	Real Time Systems LongShot seismic source controller
Gun source arrays	Sleeve Guns - Configurable up to 160 cu inch array
Air compressor	2 x Hamworthy 4TH 190W70 Mk II compressors
Seabed sampling	3 / 6m gravity corer, grab sampler
Geotechnical capability	Full options for environmental and seabed sampling surveys
AUV capability	HUGIN 1000 AUV

Information may be subject to change without prior notice.

