FUGRO
BRASILIS

MV Fugro Brasilis is a highly advanced DP1 survey vessel, ideally suited to perform geophysical, geotechnical, oceanographic, environmental, seep hunting and ROV surveys in Brazil and South America.

MV Brasilis was designed and built to the highest standards required for the South American offshore market. The diesel electric drive, specially designed hull, resilient engine mounts and rudder propellers maximise station-keeping and navigational control, while ensuring acoustically quiet running during survey activities.

At 65 metres long, with a cruising speed of 12 knots and accommodation for 42 personnel, Fugro Brasilis is a robust, practical and efficient vessel for all survey requirements.

The vessel is permanently mobilised with a suite of the latest sensors capable of seabed mapping from 12 metres to full ocean depth. The hull mounted 'gondola' provides the perfect platform for multibeam echosounders, multifrequency single beam echosounders and a sub-bottom profiler. Towed sidescan sonar and magnetometer are also a permanent feature of the vessel’s capability.

Stern and starboard A-frames enable geotechnical sampling equipment (CPT, vibrocore, piston core etc) to be deployed, whilst vessel-mounted compressors can run high-resolution digital seismic surveys.

The 340m² back deck area allows for easy mobilisation of AUV and ROV systems to complement the variety of applications that the vessel can undertake.

Additional high-resolution seismic, environmental and metocean capabilities can also be mobilised.

Coupled with Fugro’s high-precision positioning and navigation services, Fugro Brasilis is an ideal survey vessel for Brazilian and South American clients.
FUGRO BRASILIS

Technical Specifications

General
Name M.V. Fugro Brasilis
Builder / Year Oakwell Shipyard Co.LTD / 2013
Owner / Operator Fugro Brasilis Inc. / Fugro Brasil
Flag Bahamas
MMSI No. 311 000 115
Call sign C6AP7
Classification GL+100 A5 Survey Vessel IW + MC AUT, DP1
Port of registry Nassau
IMO No. 9627423

Dimensions
Length overall (LOA) 66.65 m
Breadth 14 m
Draft 4.2 m (5.3 m including gondola)
Tonnage 1929 t gross
Range 6000 nm
Deck Load 50T - 55T

Safety
Rescue / MOB boat RSQ 450G, 50HP, 6 pers
Life rafts (200%) 4 x 25 pers
Survival suits (100%) 43 pcs
Life jackets 48 pcs
Work vest 12 pcs
Fire detection Siemens

Communications
MF / HF Thrane & Thrane Sailor 6000
Inmarsat C (2x) Thrane & Thrane Sailor 6006
VHF (2x) Thrane & Thrane Sailor 6222
UHF Thrane & Thrane Sailor 3520 / 3540
CCTV Hemis 400

Control and Navigation
Propulsion control autopilot Schottel Copilot Simrad AP50
DP system Imtech DP1
Backup DP system Imtech DP1
Radars 1 x Sperry S-Band / 1 x Sperry X-Band
Electronic chart 1 x Imtech HDW ECDIS2000
DGPS 2 x Koden KGP-920
Magnetic Compass 1 x Sperry Jupiter
Gyro 1 x Sperry Navigat X MK 1 / 1 x Sperry Navitwin IV
Speedlog Sperry Naviknot
Echosounder L3 LAZ 500
AIS ACR Nauticast
NAVTEX Furuno NX700
VDR Netwave NW-4000

Deck Machinery
Deck crane National Oilwell 90 foot clear, welded
Hydraulic A-frame Dresco Model 350 HD, 350 HP drawworks
Hydraulic A-frame 150 tonnes, static
Launch boom Hydrodyne Travel Block type, 150 T x 4.5 m stroke

Geotechnical Systems / Laboratory
Downhole 1 x SWL 3.6 t / 12 m crane
Seabed Aft: 1 x SWL 30 t, dynamic SWL 12t
Onboard laboratory 1 x SWL 7.5 t (starboard)
Sample storage 2 x SWL 2.5 t traversing

Survey Equipment
DGPS positioning Starfix G2 High Accuracy
Online navigation system Fugro Starfix Seis / Starfix NG
Offline processing system Fugro Starfix.Proc software
Acoustic positioning Sonardyne Ranger 2 HPTS00 / Sonardyne Lodestar
Echosounders Kongsberg EA 400 200-28E and 38-7
Multibeam echosounders Hull-mounted: Kongsberg EM302 and EM2040
Motion compensation CodaOctopus F-190 and TSS DMS3-05
Sound velocity probe 2 x AML Smart-X
Side scan sonar EdgeTech 4200 and EdgeTech 2000-DS5
Sub-bottom profiler Hull Mounted Kongsberg 300-6 / EdgeTech 2000-DS5
Magnetometer Marine Magnetics SeaSPY
Seabed sampling Gravity Piston Corer, Van Veen Grab Sampler (3,000 m)
Compressors 4 x Wärtsilä Hamworthy compressors

Emergency Radios / Beacons
SART/EPIRB McMurd