



M.V. Fugro Supporter



Highly Flexible, Lloyds Register Ice Classification, DP1, fully equipped 75.4m hydrographic and geophysical survey vessel.

Multi-purpose Offshore Survey Vessel

The **M.V. Fugro Supporter** is a multipurpose survey vessel operated by Fugro Pelagos, Inc., and based out of Singapore. Fitted with state-of-the-art geophysical and geotechnical equipment, this full-ocean depth vessel specializes in cable route surveys and is a versatile platform capable of deploying work class ROVs, AUVs, and both 2-D and 3-D High Resolution seismic spreads.

Cable Route Surveys

Fugro Pelagos, Inc. has mobilized the M.V. Fugro Supporter with a complete hydrographic and geophysical spread including Reson SeaBat 7125 and Kongsberg EM122 multibeam echo sounders, Edgetech 4200MP side scan sonar, hull mounted Edgetech 3300 4x4 sub-bottom profiler, Atlas Deso 210/15 kHz single beam echo sounder and HiPAP 351 USBL. The vessel is also equipped with a CPT capable of performing seabed analysis in water depths of up to 3,000m, as well as complete coring capability. A comprehensive data processing and plotting suite is installed on board for the processing of all geophysical data.

The vessel offers excellent deck handling facilities including a 15t A-frame and 12t deck crane. It has comfortable accommodations for 47 personnel with all cabins offering en-suite facilities, plus an extensive survey laboratory and client office space.

Equipped and capable of launching her own survey workboat, the M.V. Fugro Supporter is also well suited to conduct nearshore and coastal survey work in very shallow waters in support of larger offshore survey projects.

The vessel is available in the Southeast Asian, Pacific and Indian Ocean regions for all fields of work including submarine fiber optic and power cable route surveys, oil and gas industry survey services and various tasks in support of research and government agencies.



Multi-purpose Offshore Survey Vessel the M.V. Fugro Supporter



Preparing towed equipment onboard the Fugro Supporter



Launching the survey workboat from the Fugro Supporter

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M.V. Fugro Supporter

Technical Specifications

Owners

Fugro

Port of Registration

Nassau

Flag/Call Sign

Bahamas/C6AE2

Classification

Lloyd's Register 100A1 Ice Class 1A+LMC Special Purpose

IMO Number / Official Number

854700 / 854700

MMSI Number

MMSI 503005000

GRT/DWT

2065 tonnes / 1000 tonnes

Accommodation

Total 47 persons including 16 crew and 34 passengers in one & two berth cabins. All cabins with private facilities.

Communal Facilities

Cafeteria style mess, lounge, TV and games room, laundries, gymnasium

Navigation

X Band & S Band Radar, Electronic Charting, DGPS (Terrestrial and Satellite corrections)

Dynamic Positioning System

Kongsberg Simrad SDP-11 Class 1 DP(CM)

DP Reference System

Kongsberg Simrad High Precision Acoustic Positioning (HiPAP) Transducer
Differential GPS

Propulsion

Diesel Electric 2 x 800 kW AC constant speed electric motors driving through variable speed hydraulic clutches with a single CPP. Ability to change acoustic signature.

Thrusters

1 x transverse bow thruster 883 kW

2 x transverse stern thruster 250 kW

Engines

Main 3 x Caterpillar each producing 920 kW/1240 HP, Auxiliaries 1 x Cat 240 kW, 1 x Cat 67 kW

Electric Power

415/240V, 50 Hz

Endurance

14,000 nm / 50 days

Deck Space

300 m² clear working deck

A-Frame

SWL-15 Tonne/Outreach-6 metre/Height-13 metre

Main Deck Crane

12 tonne SWL with 14 metre reach

Speed/Consumption

Max: 12 kts/10 tonne/day

Econ: 10 kts/7 tonne/day

Port: 1.3 tonne/day

Laboratory Space

50 m² available for fit out + 130 m³ under deck accessed by 3 m x 2 m hatch serviced by A-Frame & main deck crane

Vessel Summary

Built:	1994	Power:	415/240 VAC @ 50 Hz
Length:	75.4 m	A-Frame:	15 t SWL
Beam:	12.5 m	Deck Crane:	12 t SWL
Draught:	5.3 m	Accom:	47 POB
Tonnage:	2065	DP:	Class-DP(CM)
Speed:	12 knts	USBL:	HiPAP 351
Range:	14,000 nm		

Ancillary Craft

5.5 m NIAD with 27 HP diesel outboard. 4 m Rescue Craft with 25 hp outboard

On-line Navigation System

Fugro Starfix.SEIS real time positioning with QC for quality control run with latest PC hardware

Surface Positioning

2 x Fugro StarPack GNSS Receivers (GPS & Glonass) providing decimeter level positioning. 1 x Starfix 8200HP GPS Receiver. Fugro MultiFix 6 GNSS real time position computation and QC software package.

Heave Pitch Roll Sensors

1 x TSS DMS 335 (or equivalent for SBES)

1 x TSS DMS 305

USBL

Kongsberg HiPAP 351

Single Beam Echo Sounder

Atlas Deso 210 / 15 kHz

Multibeam Echo Sounder

Reson Seabat 7125 shallow water MBES and Kongsberg EM122 (1°x2°) to full ocean depth

MBES Motion Correction

2 x Coda/Octopus F185 GPS aided motion sensor

Sound Velocity Probes

SVPs, CTDs, XBTs

Side Scan Sonar

Edgetech 4200 MP

Sub Bottom Profiling

Edgetech 3300 4x4 hull mounted chirp system

Seismic

The vessel can operate both 2-D and 3-D seismic configurations

Winches

1 x Deepwater winch complete w/10,000 m cable

2 x Tow winches complete with 500 m cable

2 x Sound velocity profiling 2000 m cable

1 x Sampling winch complete with 3,500 m cable

Network

2 x 1 GB cat 5e network hub, totaling 40 available network points

Communications

Sea Tel 4009 VSAT Ku-band communication system for vessel-wide use

Fleet Broadband 500 system

VOIP based communication system

Sampling Equipment / CPT

Grab samplers

Gravity Cores

CPT: 3,000 m depth rating