



# FUGRO

## M.V. FUGRO SUPPORTER

Highly flexible, Lloyds Register Ice Classification, dynamic positioned (DP) fully equipped 75.4 m hydrographic and geophysical survey vessel.

### MULTI-PURPOSE OFFSHORE SURVEY VESSEL

The Fugro Supporter is a multi-purpose survey vessel. Fitted with state-of-the-art geophysical and geotechnical equipment. This full-ocean depth vessel specialises in cable route surveys and is a versatile platform capable of deploying work class ROVs, AUVs, and both 2D and 3D high resolution seismic spreads.

### CABLE ROUTE SURVEYS

Fugro has equipped the 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 profile, Odom 18/200 kHz

& Kongsberg EA 600 12 kHz single beam echo sounder and HiPAP 351 USBL. The vessel is also equipped with a cone penetration test (CPT) capable of performing seabed analysis in water depths of up to 3,000 m, as well as complete coring capability.

A comprehensive data processing and plotting suite is installed onboard for the processing of all geophysical data. The vessel offers excellent deck handling facilities including a 15 t A-frame and 12 t 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 its own survey workboat, the Fugro Supporter is also well suited to conduct nearshore and coastal survey work in very shallow waters in support of larger offshore survey projects.



*Multi-purpose offshore survey vessel the Fugro Supporter*

# M.V. FUGRO SUPPORTER

## Technical Specifications

### General

Owner	Fugro
Port of Registration	Nassau
Flag/Call Sign	Bahamas / C6EC3
Classification	100A1,*IWS, Ice Class 1A, LMC, UMS, DP (CM), Special Purpose
IMO Number / Official Number	8518364 / 7001207
MMSI Number	311000854
GRT/DWT	2065 tonnes / 1000 tonnes
Accommodation	Total 47 persons including 17 crew and 30 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 stem 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 m <sup>2</sup> 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 m <sup>2</sup> available for fit out + 130 m <sup>3</sup> under deck accessed by 3 m x 2 m hatch serviced by A-Frame & main deck crane
Ancillary Craft	Outboard. 4 m Rescue Craft with 25 hp outboard
Online 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. 2 x Coda F180 attitude and positioning system
Heave Pitch Roll Sensors	1 x TSS DMS 335 (or equivalent for SBES) 1 x TSS DMS 305 2 x CODA F180 systems
USBL	Kongsberg HiPAP 351
Single Beam Echo Sounder	Odom 18/200 kHz & Kongsberg EA 600 12 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 2D and 3D seismic configurations
Winches	1 x Deepwater winch complete w/10,000 m cable 1 x Sound velocity profiling 2000 m cable 1 x Sampling winch complete with 3,500 m cable 1 x Coring winch complete with 4,000 m polyamide rope 1 x 9T Multi purpose winch with 6,000 m cable 1 x 5T Coring winch with 4000 m synthetic rope
Network	2 x 1 GB cat 5e network hub, totaling 40 available network points
Communications	Sea Tel 4009 VSAT Ku-band communication system for vesselwide use Fleet Broadband 500 system VOIP based communication system
Sampling Equipment / CPT	Grab samplers Gravity Cores CPT: 3,000 m depth rating

### Vessel Summary

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

