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, Odom 18/200 kHz & Kongsberg EA 600 12 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.
MV Fugro Supporter

Technical Specifications

Owners
Fugro

Port of Registration
Jakarta

Flag/Call Sign
Indonesia/ JZKY

Classification
Biro Klasifikasi Indonesia
Lloyd's Register 100A1 Ice Class
1A+LMC Special Purpose

IMO Number / Official Number
8518364 / 8518364

MMSI Number
MMSI 503005000

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 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 m² 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 knuts
USBL: HiPAP 351
Range: 14,000 nm

Ancillary Craft
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 Starfis 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 F185 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 2-D and 3-D seismic configurations

Winches
1 x Deepwater winch complete w/10,000 m cable
1 x Sound velocity profiling 2000 m cable
1 x Coring winch complete with 3,500 m cable
1 x 9T multi purpose winch with 6,000m cable
1 x 5T Coring winch with 4000m 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 vessel-
wide use

Fleet Broadband 500 system

VOIP based communication system

Sampling Equipment / CPT
Grab samplers
Gravity Cores
CPT: 3,000 m depth rating

crsmarketing@fugro.com

Information may be subject to change without prior notice

More information available at WWW.FUGRO.COM/MARINE-SURVEY

© Fugro 2014 / FCST