



# FUGRO

## M.V. FUGRO SUPPORTER

**The M.V. Fugro Supporter is a multipurpose survey vessel owned by PT Suar Samudera Abadi, and operated by Fugro Marine.**

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.

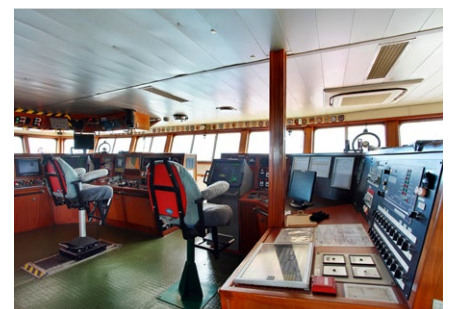
The vessel offers excellent deck handling facilities including a 15t A-frame and 12t deck crane. It has comfortable accommodations for 47 personnel with all cabins offering en-suite facilities, plus an extensive survey laboratory and client office space.

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.



*Preparing towed equipment onboard the Fugro Supporter.*



*The bridge onboard the M.V. Fugro Supporter.*

# M.V. FUGRO SUPPORTER

## Technical specifications

### General info

Name	Fugro Supporter
Classification society	Lloyd's Register 100A1 Ice Class 1A+LMC Special Purpose SPS 2008 / MLC 2006
Flag state / Port	Indonesia / Jakarta
Build	1994, Factorias Vulcano, Spain
IMO / Cal sign	8518364 / JZKY
MMSI Number	503005000

### Dimensions

LOA.	75.4m
Beam	12.5m
Draught (summer) max.	5.3m
Tonnage	2065T
Deck area aft	300m <sup>2</sup>
Deck strength	5T / m <sup>2</sup>
Deck load	81.6T

### Accommodation

Cabins	one & two berth cabins, all with private facilities
Crew (Typical)	18
Passengers	29
Communal facilities	Cafeteria style mess, lounge, TV and games room, laundries, gymnasium, hospital

### Machinery

Propulsion	Diesel Electric 2 x 800 kW AC (electric)
Bow thrusters	1 x transverse bow thruster 883 kW 2 x transverse stem thruster 250 kW
Cruising speed	10 kn
Survey speed	Variable as required
Maximum speed	12 kn

### Engines

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

### Electrical power

Diesel generator	415/240V, 50 Hz
------------------	-----------------

### 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	4m Rescue craft with 25 hp outboard
----------	-------------------------------------

### Deck Machinery

A-frame aft (geophysical)	SWL-15 Tonne/Outreach-6 metre/Height-13 metre
Main deck crane	12 tonne SWL with 14 metre reach
Deepwater SSS winch	4200m cable
Sound velocity profiling winch	2,000m cable
Coring winch	5500m cable
Spare SSS winch	1500m cable

### Communications

Communication system for vessel-wide use	RIGNET VSAT C-band Fleet Broadband 500 system VOIP based communication system
--	---

### Network

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

### Heave Pitch Roll Sensors

1x	TSS DMS 335 (or equivalent for SBES)
1x	TSS DMS 305
2x	CODA F180 systems

### Survey equipment

DGPS Positioning	Fugro Starfix Starpack
Navigation package	Fugro Starfix NG
Acoustic positioning	Kongsberg HiPap 351 incl Cymbal & HiPap 501
Heading sensors	2 x Meridian Surveyor Gyrocompass
MBES Motion correction	2 x Coda/Octopus F185 GPS aided motion sensor, Seatex Seapath 330+
Single Beam Echosounder	Odom 18/200 kHz & Kongsberg EA 600 12 kHz
Draft monitoring	2x Rosemount Pressure Sensors
Multibeam Echosounder	R2 Sonic 2024 shallow water MBES and Kongsberg EM122 (1°x2°) to full ocean depth
Side Scan Sonar	Edgetech 4200 MP
Sub Bottom Profiler	Edgetech 3300 4x4 hull mounted chirp system
Magnetometer	2 x Marine Magnetism SeaSpy
Seismic	The vessel can operate both 2-D and 3-D seismic configurations
Sampling equipment	Grab samplers, Gravity corer, Piston corer
CPT	SS10 and SS35 CPT.