GEODETIC SURVEYOR

HIGH-RESOLUTION GEOPHYSICAL SURVEY VESSEL

Fugro Geoservices, Inc. (FGSI) of Houston, TX and Lafayette, LA operates the Geodetic Surveyor. Designed specifically as a high-resolution seismic and remote sensing platform with a suite of survey equipment, the vessel is permanently mobilized and can be deployed rapidly to locations throughout the Americas.

Instrumentation includes high-resolution digital seismic and sub-bottom profiler, echo sounder, side-scan sonar, magnetometer and gravity piston corer.. Fugro's Starfix™ DGPS provides positioning.

The criteria used in selecting the equipment has been to provide flexibility to meet customer's requirements.

The Geodetic Surveyor carries out fieldwork in support of the energy and government industries, engineering firms and universities.

The vessel's capabilities include:

- Minerals Management Service
- Hazard surveys
- Cultural resource evaluations
- 2D seismic multi-chanel surveys
- Platform siting feasibility studies
- Shipwreck and aircraft searches
- Academic research
- Tow route clearances
- Platform and pipeline damage assessments and inspection
- Pipeline / cable surveys

Angola
Argentina
Australia
Azerbaijan
Belgium
Bermuda
Brazil
Brunei
Canada
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Congo
Denmark
Egypt
France
Gabon
Germany
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Hong Kong
India
Indonesia
Ireland
Italy
Japan
Kazakhstan
Kuwait
Lebanon
Luxembourg
Malaysia
Mexico
Netherlands
Netherlands Antilles
Norway
Nigeria
Oman
Pakistan
Philippines
Poland
Qatar
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South Africa
Spain
Switzerland
Thailand
Trinidad & Tobago
Turkmenistan
United Arab Emirates
United Kingdom
United States
Venezuela
Vietnam
www.fugro.com

GEODETIC SURVEYOR

OWNER	Survey Boats, Inc.	CERTIFICATION	Subchapter C; ABS/L/L/ORV
OPERATOR	Fugro GeoServices, Inc.	BUILDER	Universal Iron Works Inc. Hull Number 178
OFFICIAL NUMBER	637873	PORT OF REGISTRY	Morgan City, LA Year Built: 1985
TONNAGE	Gross 97, Net 66	MAXIMUM DECK TONNAGE CAPACITY	56 long tones @ CG of 2' above deck

Dimensions

Length	122' Light Draft: 7'
Beam	30'
Maximum Draft	Draft 10'
Depth	10'6"
Clear deck space	Length: 45' Width: 26'

Machinery

Main engines	2 x GM-V-16-92-N total 1,300hpr. Reduction gear: Twin Disc 527 Ratio: 5.17:1
Generators	2 x GM-6-71-N-75kw, 208v, 24amps. The vessel is equipped with a Generator isolation panel with maximum load amp breakers used to isolate the ship's load from either generator's available current.
Steering	Hydraulic
Propellers	
Speed	10 knots
Fuel consumption	50 gallons per hour 68 gph in transit
Range	4200 nautical miles
Endurance	17.5 continuous days

Capacities

Fuel oil	21,300 gallons
Hydraulic oil	400 gallons
Lube oil	220 gallons
Waste	400 gallons
Potable water	17,000 gallons
Fresh water	40,000 gallons

Deck & Mooring Equipment

Winch	
Frame	
Windless	Hydraulic
Anchors	1,600' x 1 ½" nylon rope

Navigation

GPS	Furuno GP 50 Mark3
RADAR	2 – Furuno – FF8100D
	Robertson AP-9
Auto pilot	#1, International Offshore 3000
Fathometer	#2, Raytheon R246M

Communications

SSB	SEA 330
VHF	1, SEA 156
	Westinghouse 1000 Super Hygain
AMSC satellite phone	
Cellular phone	Hygain Antenna
Intercom	Executone Dual 10 station system

Accommodation

Fox'sle deck	2 2-Berth staterooms
	1 Complete head
Main deck	3 4-Berth staterooms
	1 Complete head-1 toilet, 2ea.shower and lavatory
	1 lounge area-TV/VCR
Below Deck	14' x 30' storage/power supply room (A/C)

Safety

2 25-Man life floats
19 Life jackets
4 Life rings with waterlights
Fire & safety station plan
First aid kit
Emergency lighting
General alarms
High level bilge alarms
Epirb 406
Bilge pump
Ballas/fire pump
CG approved fire stations
Heat detection system (engine room) fire axe
Fire suit
2-Scott pack breathing gear
Lith-X Fire extinguisher

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