The Fugro Enterprise is a multi-purpose vessel well suited for high resolution geophysical surveys and seafloor mapping. Measuring 170 feet in length, the vessel is permanently mobilized for rapid deployment to locations throughout North America.

Onboard instrumentation includes Fugro’s Hugin-based Echo Surveyor II autonomous underwater vehicle (AUV). Fugro’s StarfixTM DGPS is also employed for positioning. Our use of inbuilt Inertial Navigation System (INS) technology adds rigour to the positioning of geo-hazards and seabed features. Surveys can be completed sooner and with greater accuracy, while engineering design is optimised and development project risks are reduced. Surveys are tailored to meet client needs. Typical fieldwork involves projects for the energy and government sectors, as well as for engineering firms and universities.

The vessel is particularly well suited for the following project types:

- Bureau of Ocean Energy Management (BOEM) surveys
- Hazard surveys
- Cultural resource evaluations
- 2D seismic multi-channel surveys
- Platform siting feasibility studies
- Shipwreck and aircraft searches
- Academic research
- Tow route clearances
- Platform and pipeline damage assessments and inspection
- Pipeline / cable surveys

AUV being retrieved at back of vessel.
## Technical Specifications

### General
- **Name**: R/V Fugro Enterprise
- **Owner**: Fugro
- **Built**: 2007
- **Port/Flag**: Patterson, LA - USA
- **MMSI No.**: 366336000
- **Call Sign**: WDD9388
- **IMO No.**: 9473585

### Dimensions
- **Length**: 170’
- **Beam**: 40’
- **Maximum draught**: 11’
- **Depth**: 13’
- **Clear deck space**: 11’
- **Tonnage**: grt <67, gt lt 874

### Accomodations
- **Forecastle deck**: 26-11, 2-man; 1x 4-man
- **Storage**: 10’x30’
- **Main deck**: 8-4, 2-man
- **Below decks**: None

### Machinery
- **Main engines**: 2x3508 CAR ABS AMS (200 HP total)
- **Main gears**: 2xZF 4.5 to 1 trolling gear, 2x78” DIA ABS SMi nicoal
- **Generators**: 2x250 kw CAT ABS AMS, 1x75 kw CAT ABS AMS, 75 kw emergency generator
- **Switch board**: Full parallel 500 kw available
- **Steering**: Hydraulic
- **Propellers**: 2 x 78” 4 nicoal
- **Bowthruster**: Brunvoll variable pitch 250 hp electric
- **Speed**: 11.5 kts
- **Fuel consumption**: 100 gal/hr max, 80/gal hr cruise, 55 gal/hr data collection (estimated)
- **Range**: 6,500 nm (estimated)
- **Endurance**: 28 days

### Capacities
- **Fuel oil**: 54,000 gallons
- **Hydraulic oil**:
- **Lube oil**:
- **Waste**:
- **Potable water**: 60,000 gallons
- **Fresh water**: Water maker; Village Marine PW-1600 R.O

### Communications
- **Loud hailer**: LF 3000 Furuno
- **VHF**: 2 - M-504 Icom
- **Satellite phone**: Orbit AL7103 KU-8 V-Sat
- **Cellular phone**: Petro Comm
- **Intercom**: Sound powered phones & Panasonic, 24-line phone system

### Navigation
- **GPS**: 2-6P 150 Furuno
- **RADAR**: FR2117-FR8122 Furuno
- **Auto pilot**: AP 50 Simrad
- **Fathometer**: FE 700 Furuno
- **Speed log**: DS 80 Furuno
- **Gyro**: GC80 Expanded Simrad
- **Chart plotter**: Garmin
- **Sound surveillance**: VSS-111 Zenithal
- **Weather station**: RD 30 Furuno

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**Fugro GeoServices, Inc.**

200 Dulles Dr.  
Lafayette, LA 70506  
USA  
Telephone: +1 337 237 2636  
info-fgsi@fugro.com  
www.fugro.com

6100 Hillcroft  
Houston, TX 77081  
USA  
Telephone: +1 713 369 5837