



FUGRO QUEST

Part of our geotechnical vessel fleet, Fugro Quest is a dedicated geotechnical vessel equipped with advanced technology for deep water applications and state-of-the-art systems that allow the vessel to safely carry out geotechnical operations anywhere in the world.

ENHANCED GEOTECHNICAL OPERATIONS

Fugro Quest is a geotechnical drilling vessel that supports offshore subsea project requirements for downhole in situ testing, as well as investigations for various foundation types and pipeline routes.

The vessel provides safe and efficient operations through its advanced onboard workshops, laboratory facilities and drilling equipment. Delivering comprehensive and accurate soil parameters in real time, Fugro Quest provides the high-quality data you need for your geotechnical project.

INTEGRATED ON BOARD CAPABILITIES

Fugro Quest can operate independently in remote locations around the world. It is equipped with integrated geotechnical drilling and sampling spreads, as well as advanced laboratory and engineering facilities to fulfill your project needs safely and effectively. With the latest IT capabilities onboard, acquired project data can be transmitted to the cloud and made available in near real-time to support you in making fast and informed decisions for your project.

BENEFITS

- High-quality geotechnical data acquired from depths down to 2,000 m using proprietary survey and drilling equipment
- Reduced fuel consumption and carbon footprint using biofuel supporting sustainable operations
- Improved personnel and operational safety achieved with remote operations and data processing capabilities
- Access to real-time data delivered by digital drilling monitoring systems and advanced soil testing laboratory

FUGRO QUEST

Technical Specifications

General

| | |
|-------------------------|---|
| Vessel name | Fugro Quest |
| Builder/year | Bergen Group Halsnøy AS / 2006 (Conv. 2008/2022) |
| IMO number | 9366005 |
| Operator | Fugro Marine Services |
| Flag | Bahamas |
| Speed | Transit 13 kn, TBC during Seatrials |
| Call sign | C6FO2 |
| Classification | Bureau Veritas Unrestricted navigation, Dynapos AM/at r, AUT UMS, CleanShip, SDS |
| Port of registry | Nassau |
| Endurance | 30 days |
| Operational water depth | >25 m |

Dimensions

| | |
|----------------|-------------------|
| Length overall | 86.20 m |
| Beam (mid) | 19.7 m |
| Freeboard | 3.3 m to maindeck |
| Draft | 6.2 m |
| NT | 1379 T |
| GT | 4598 T |
| Moon pool | 3.10 m x 3.10 m |

Accommodation

| | |
|-----------------|--------------------------|
| Cabins | 16 x single, 20 x double |
| Day room | 1 non-smoking |
| Fitness room | Yes |
| Conference room | Yes |
| Client office | 1 |
| Hospital | 1 with 2 bunks |

Machinery

| | |
|------------------------|--|
| Main engine | (4) 2145 kW @1800 rpm |
| Main engine generators | (4) 2188 kW @1800 rpm |
| Electrical system | 2020 kVA @1800 rpm |
| Propulsion | (2) main Azimuth Thruster type 2200 kW @1200 rpm |
| Bow thrusters | (1) Tunnel Thruster - 1050 kW @1190 rpm |
| Retractable thruster | (2) 883 kW @ ~1200 rpm |
| Emergency generator | (1) 410 kW @ 1800 rpm |

Capacity

| | |
|------------------|---|
| Fuel capacity | 1357 m ³ |
| Fuel consumption | DP 12 m ³ /day; transit 28 m ³ /day tbc during seatrials |
| Water capacity | Fresh 1399 m ³ ; ballast 2560 m ³ ; drill 1753 m ³ |
| Water making | 13.5 m ³ /day |

Communications

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|-------|--------------------------------------|
| V-Sat | Voice & data access (multiple bands) |
|-------|--------------------------------------|

Safety

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|----------------|------------------------------|
| Rescue boat | Waterjet propelled |
| Life rafts | 6 x Viking (35 people each). |
| Survival suits | 118 |
| Life jackets | 118 + 6 child sized |

Deck cranes

| | |
|-------------|----------------|
| Deck cranes | (3) 3 Tn crane |
| Storecrane | (1) 1Tn |

Positioning / Navigation

| | |
|---------------------|-------------------------------------|
| Echosounder | 2 x |
| S-band radar (ARPA) | 1 x |
| X-band radar | 1 x |
| Gyro compass | (3) Anschutz Standard 22 |
| Automatic pilot | Anschutz Pilot Star D |
| Anemometer | 4 x |
| GPS | 2 x |
| ECDIS | 2 x Transas 4000 (main and back-up) |
| Transporter (SART) | 2x Sailor SART II |

Drilling system / Seabed frame system

| | |
|---------------------|--|
| Drilling rig | Seacore R-100 |
| Max load | 80 tonnes, SWL below Topdrive |
| Heave compensation | Bosch Rexroth stroke 5 m, passive |
| Top drive | Fugro design |
| Drill pipe length | Drill Pipe API Range 2 |
| Pipe handling | Fugro design |
| Mud system | Re-circulating Venturi mixer (mix on demand) with automatic feed |
| Pumping capacity | 450 l/min @ 70 bar |
| Mud tanks | 2 no 9.5 m ³ holding tanks |
| Shallow gas systems | Packer, Float valve, gas monitoring and shutdown system |
| Heavy load winch | 2000 m WD |
| Seabed frame | 15 T air weight |

Geotechnical systems / Laboratory

| | |
|---|------------------------|
| Downhole | WISON, FMCB, Piggyback |
| Seabed | SEACALF, SEACLAM |
| Onboard laboratory | |
| Sample storage | |
| Jean Lutz Dialog drilling monitoring system | |

Control and navigation

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|---------------------------|--|
| DP system | |
| Reference systems | |
| Wind indicators | |
| Vertical reference system | |

