The Fugro Synergy is a new build vessel that has been specifically designed to deliver Drilling and Sub Sea well services to the Global Oil and Gas industry. With an impressive technical specification, the Synergy is capable of removing many MODU based activities off the critical path. Fugro is focused on developing niche subsurface markets in the shallow section from mudline down to approximately 3,000m, dependent on water depth.

**CAPABILITIES**
Utilizing our core drilling knowledge and experience, we can install and construct the shallow section of subsea wells and seafloor infrastructure. The main development areas that will add maximum value to a Client project include:

- Subsea and Well Activity
- Conductor / Casing Installation
- Well De-risking
- Pre-Drill Activities
- Well Abandonment
FUGRO SYNERGY

Technical Specifications

General

Vessel Name: Fugro Synergy
Builder / Year: Bergen Group Halsnoy AS / 2009
Owner / Operator: Fugro Synergy, Inc. / Fugro Drilling & Well Services
Flag: Bahamian
Speed: Transit 12 knots (Economic Cruise)
Call Sign: C6XR3 (Charlie Six X-ray Romeo Three)
Classification: +1A1 R ICE-C Ship-shaped Drilling Unit SF, COMF-V(3) HELDK-SH E0 DYNPOS-AUTR CLEAN, DRILL DK (+)
Port of registry: Nassau
Endurance: 45 days cruising
Operational water depth: 25 m to 3000 m

Dimensions

Length over all (L.O.A.): 103.7 m
Beam (mid): 19.7 m
Free board: 8.7 m
Draft: 6.3 m (6.5 m Summer)
Displacement: 9287 tons (deadweight 3775 tons)
NRT: 1963 tons
GRT: 6543 tons
Helideck: D= 21 m; suitable for Sikorsky S92 helicopter
Moonpool: 7.2 m x 7.2 m

Accommodations / Rooms

Cabins: 24 x single, 28 x double, 1 x 4 man cabins
Day room: 1 Non-Smoking – 1 Smoking
Fitness room: Yes
Conference room: Yes
Client office: 1
Hospital: 1 x 1 bed

Machinery

Main engine: (5) Caterpillar type 3516C - 2,188 kW @1,800 rpm
Main engine generators: (5) Siemens - 2,188 kW @1,800 rpm
Electrical system: 690/450/230V-60 Hz
Propulsion: (2) Ulstein-Aquamaster Azimuth Thruster type AŻP100/M-280 - 2,200 kW @210,200 rpm
Side thruster: (2) Kamewa Ulstein TT2200 SS DPN CP Tunnel Thruster - 1,050 kW @91,190 rpm
Azimuth thruster: (1) Ulstein-Aquamaster Azimuth Thruster type UL1201 - 883 kW @91,800 rpm
Emergency generator: (1) 219 kW 690 V 60 Hz @ 1,800 rpm
Emergency generator engine: (1) Volvo Penta 339 kW @1,800 rpm

Capacity

Fuel capacity: 1,357 m³
Fuel consumption: DP 12 m³/day; Transit 28 m³/day
Water capacity: Potable 805 m³; Ballast 2,873 m³; Drill 1737 m³
Water making: 1 x 40 m³/day

Communications

V-sat: Voice + Data access (multiple bands)

Safety

Lifeboats (TEMPSC): 2 x Schat-Harding KISS 1000 - 90 person
Fast rescue boat: 1 x Mare Safety GRP700 230 hp
Liferafts: 2 x Viking & 4 x DBS (35 men each)
Survival Suits: 113
Life jackets: 114 + 8 Children Sized

Deck Machinery

Deck Cranes: 5–ton Knuckle-boom Provisions crane
Aft Deck Crane: 25–ton AHC Knuckle-boom Offshore Crane

Positioning / Navigation

Echosounder: 1 x Furuno FE-700
S-band radar (ARPA): 1 x Furuno FAR-2837-S
X-band radar: 1 x Furuno FAR-2827, 1 x Furuno FAR-2117
Gyro compass: (3) Simrad GC-80
Automatic pilot: Simrad AP 50
Doppler log: Furuno DS-80
Anemometer: Gill OMC-139
GPS: (2) DGPS Furuno GP-150
ECDIS: 2 x TRANSAS 4000 (Main & Backup)
Transporter (SART): 2 x Tran SART-20 plus 2 in lifeboats

Drilling System / Seabed Frame System

Drilling Derrick: Fugro SeaCore R-190
Drilling Rig: SeaCore R-190
Max Load: 150 tonnes, SWL Below Top Drive
Heave Compensation: BoschRexroth stroke 7, Passive
Top Drive: National Oilwell Varco TDS 250
Drill Pipe Length: Drill Pipe API Range 2 (trips Doubles)
Pipe Handling: Aker PDPH Pipe Handler
Rotary Slips: Hydraulic Power Slips
Mud Pumps: (3) With TP6000; each 949 l/min @340 bar to 2,762 l/min @ 115 bar
Mud Mixing Pumps: (2) Baker SPF MUD HG 2.5, each 227 m³/hr @ 4 bar
Mud Tanks: (2) (5.9 m³ + 1) (65.9 m³ + 1) (44.9 m³ + 1) 23.8 m³
Bulk Cement Tanks: 2 x 75 m³
Batter/Gel Dry: 4 x 75 m³
Heavy Load Winch: 2 x 32 tonne, 60 m/min (3,000 m WD)
Seabed Frame: 15 tonnes Air weight, 4.5 m wire separation

Geotechnical Systems / Laboratory

Downhole: WISON®
Seabed: SEADEVIL, SEACALF®
Onboard Laboratory: Permanent, 259 m²
Sample Storage: 2.4 m x 3 m refrigerated container

Control and Navigation

DP System: DP2 - Kongsberg K-POS
Reference systems: 2 x DGPS, 2 x Starpack, 1 x Taut Wire, 2 x HPR
Wind indicators: 3 Indicator (OMC-1390)
Vertical reference system: 2 x Seatech MRU