

Survey multi-purpose vessel

Urbano Monti



The Urbano Monti multi-purpose vessel is designed to carry out various services for the offshore industry. The ship built in 2007 has been equipped with the highest standards demanded of a modern internationally operating multi-purpose survey vessel: multi-beams echo sounder, side scan sonar, sub bottom profiler, magnetometer and ultra short base line.

Survey Operations

Designed with consideration for safety and environment, Urbano Monti is a compact flexible platform supporting a wide range of offshore services with a typical operational profile of geophysical, geotechnical survey operations.

The 60 metre-long vessel is prepared for dynamic positioning and has been equipped with state-of-the art survey equipments for a full ocean mapping. with the aid of its deep water multibeam echosounder which together with the other equipment available onboard such as Side Scan Sonar, Sub Bottom Profiler, Magnetometer, Ultra Short Baseline transceiver, Coring devices, allow her utilisation for the marine survey all over the world.

Pre Lay Grapple Run (PLGR) and Route Clearance (RC)

With her 350 square meters cable deck, a bollard pull in excess of 40 T, DP2 capability and suitable fitting of specific equip-

ment on board, the ship can perform Pre Lay Grapple Run and Route Clearance Operations.

Post Lay Inspection and Burial (PLIB)

The vessel can easily be configured to support ROV operation and environmental operations. Thanks to her 350 square meters cable deck, 10T/m² deck cargo and DP2 capability, the ship can be used as a platform for Post Lay Inspection and Burial Operations.

Freighter

Possible to load till 600 Tons of Cables in 2 removable cable tanks.

Diving

The ship has been prepared as per class notation for Diving support operations.

Main particulars

- **Flag:** Italian
- **Base port:** Catania
- **Type:** Multipurpose Survey Vessel
- **Classification:** R.I.N.A.
- **IMO Number:** 9344215
- **MMSI:** 247415100
- **Call Sign:** IBFX

Dimensions

- **Lenght overall:** 60.00 m
- **Breadth moulded:** 15.60 m
- **Max draft:** 5.3m
- **Tonnage:** 1,969 T



Capacities

- **Clear deck area:** 350 m²
- **Deck Strength:** 10T/m²
- **Load capacity:** 600t in 2 removable cable tanks

Accommodation

- **Accommodations for:** 44 persons
- **Cabins:** 6 x Single – 15 x Double – 2 x Quadruple
- **Crew:** 13 (minimum safe manning)
- **Recreational:** 1 TV common area
- **Work offices:** 1 online room, 1 offline room, 1 meeting room

Performance & machinery

Speed

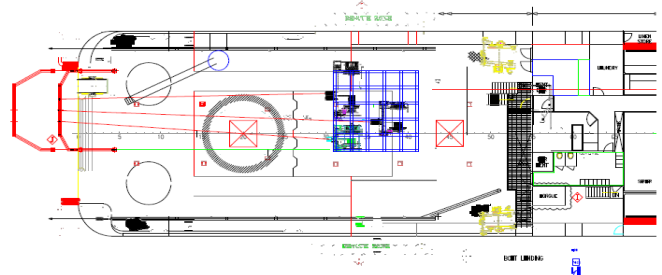
- **Full speed:** 12kn-12 MT/ Day
- **Cruising speed:** 10 kt – 8 MT / Day
- **Autonomy:** about 30 Days

Propulsion

- **Main engine:** 2x ABC 6M DZC 1000 RPM 780 kVA (100%) each
- **Main Propulsion:** N° 2 x Azi Schottel rudder-propeller type SRP 1012 CP 1200 kW each
- **Tunnel Thrusters:** N° 2 x Tunnel Thrusters HRP 4009 400 kW each

Survey equipment

- **Positioning System:** Kongsberg Seapath 380-5
- **Dynamic Positioning system:** Kongsberg K-POS-21 + CJOY
- **Online Data Navigation System:** Reson PDS 2,000
- **Acoustic Positioning System:** Kongsberg Hipap 502
- **Motion Reference Units:** Kongsberg MRU5
- **Multibeam Echosounder:** Kongsberg EM 122 1x2 Kongsberg EM 2,040
- **Sound Velocity Measurements:** Valeport Mini SVS
- **Side Scan Sonar /Sub-Bottom Profiler:** Seaprobe DT combined tow System - 5,500 m tow winch
- **Magnetometer:** Geometrics G882 interfaced with SSS
- **Offline Survey Data Processing Suite:** Reson PDS 2,000/ Caris HIPS and SIPS / Coda Geosurvey
- **Coring:** 3m Gravity corer +winch with 2,000 m cable length
- **Geotechnical testing equipment:** : Torvane, Pocket Penetrometer, Munsell color scale, digital camera
- **CPT:** Neptune 3,000 - winch up to 2,000 m water depth



Equipment

Deck equipment

- **Electro-hydraulic Port side telescopic:** 7,8 T @ 4,5 m – 1,5 T @ 16.6 m
- **A-Frame (located at Port side):** 4.5 T
- **Stern sheave:** 2.0 m

Communication

- **Inmarsat C:** 1 x Furuno Felcom 15; 1 x JRC JUE 87
- **VHF (DSC):** 2 x Furuno FM8800S
- **VHF (portable):** 3 x Entel mod. HT 6492
- **A.I.S.:** 1 x Furuno FA-100
- **Navtex receiver:** 1 x Furuno NX 700A
- **Vsat:** 2 x Cobam Sailor 900 HP

Navigation

- **Radars:** 2 x Furuno FAR-2117 X-band
- **G.P.S.:** 2 x Furuno GP-90
- **Gyro Compass:** 1 x Anschuetz Raytheon mod. standard 22 type 110-233
- **Echosounder:** 1 x Furuno FE-700
- **Autopilot:** 1 x Anschuetz Raytheon type AP02-S01
- **Gyro compass:** 2 x Master Gyro Compass C. Plath Navigat X Mk 1, Mod 10
- **Wind sensors:** 2 x Gill Ultrasonic Wind Sensor