

ITALIAN UPDATE 2014

Operative Programming Support Office
Scientific Network Support and Infrastructures Central Management

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“URANIA” RV



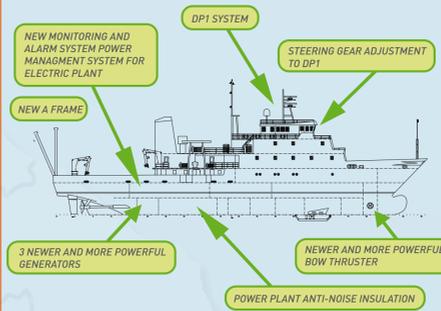
ON-GOING/FUTURE UPGRADES

MAIN TECHNICAL FEATURES

Category: Oceanic/Regional
Gross Register Tonnage (GT): 1115
Length overall (m): 61.3
Breadth (m): 11.1
Depth (m): 5.3
Draft (m): 4.6
Max speed (kn): 14.5
Service speed (kn): 11.0
Main engine (kW): 2x1000
Endurance: 45 days
Crew: 16 people
Scientific personnel: 20 people
Built year: 1992

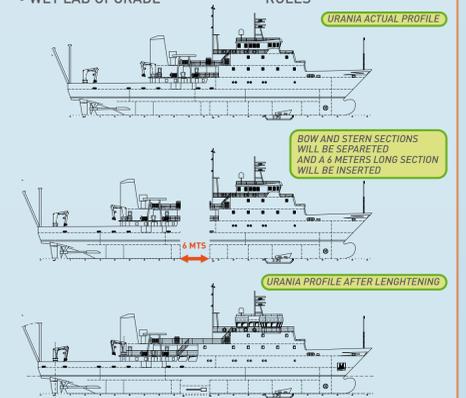
URANIA PLATFORM IMPROVEMENT

- AIR CONDITIONING SYSTEM OVERHAUL
- ALL SHIP ELECTRICAL INSTALLATION OVERHAUL
- NEW GARBAGE MANAGEMENT SYSTEM



URANIA LENGTHENING

- REFRIGERATORS OVERHAUL
- SANITARY FITTINGS OVERHAUL
- 4 NEW CABINS
- DRY LAB UPGRADE
- WET LAB UPGRADE
- NEW RECREATION AREA
- WINCHES INSPECTION
- SAFETY EQUIPMENT ADAPTATION TO CURRENT RULES



Author: So.Pro.Mar. S.p.A.

“G. DALLAPORTA” RV

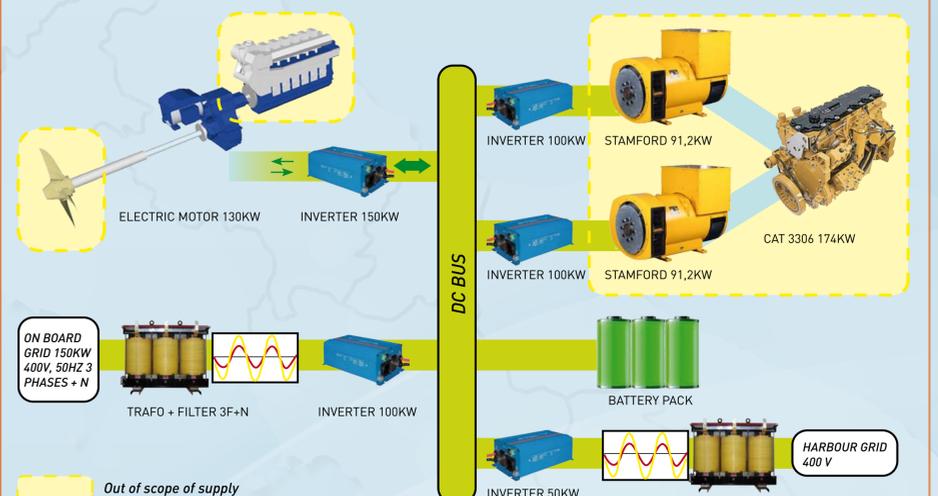


ON-GOING/FUTURE UPGRADES

MAIN TECHNICAL FEATURES

Category: Regional
Gross Register Tonnage (GT): 285
Length overall (m): 35.3
Breadth (m): 7.7
Depth (m): 4.1
Draft (m): 3.0
Service speed (kn): 11.5
Main engine (kW): 810
Crew: 8 people
Scientific personnel: 12 people
Built year: 2001

ELECTRIC SCHEME FOR THE HYBRIDIZATION OF THE DALLAPORTA SHIP



Authors: Ing. Ottorino Veneri, Ing. Nicola Del Giacomo and Ing. Gabriele Buglioni

“MINERVA UNO” RV



ON-GOING/FUTURE UPGRADES

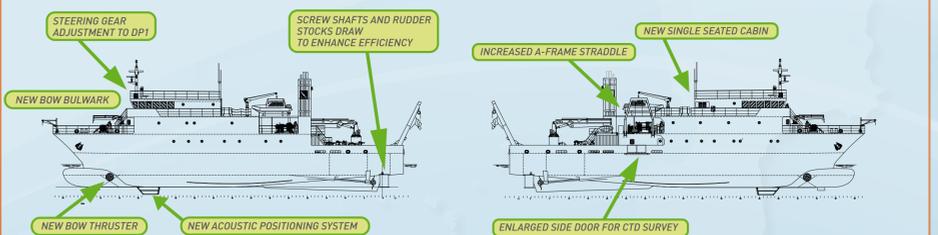
MAIN TECHNICAL FEATURES

Category: Regional
Gross Register Tonnage (GT): 615
Length overall (m): 46.6
Breadth (m): 9.0
Depth (m): 4.5
Draft (m): 4.6
Max speed (kn): 13.0
Service speed (kn): 10.8
Main engine (kW): 2x746
Endurance: 30 days
Crew: 10 people
Scientific personnel: 12 + 1 people
Built year: 2003 (upgrading 2010)

MINERVA UNO IMPROVEMENT

- SATELLITE COMMUNICATION SYSTEM AND INTERNAL TELEMATIC NETWORK ENHANCEMENT
- NEW INTEGRATED COMMUNICATION AND NAVIGATION SYSTEM TO IMPROVE SAFETY AT SEA
- GARBAGE MANAGEMENT SYSTEM ENHANCEMENT
- ALL SHIP AIR CONDITIONING SYSTEM OVERHAUL
- ALL SHIP ELECTRICAL INSTALLATION OVERHAUL

- HIGH RESOLUTION BATHY-MORPHOLOGIC SURVEY SYSTEM
- GEOMORPHOLOGICAL SURVEY AND BOTTOM SAMPLING SYSTEM
- OCEANOGRAPHIC SURVEY SYSTEM
- MAGNETOMETRIC SURVEY SYSTEM
- SEISMOSTRATIGRAPHIC SURVEY SYSTEM
- BOTTOM VISUAL INSPECTION SYSTEM
- NEW COLD STORE FOR SEDIMENT AND WATER SAMPLINGS



Author: So.Pro.Mar. S.p.A.



16th EUROPEAN RESEARCH VESSELS OPERATORS

Annual Meeting
11-12 June 2014
CSIC (UTM-CMIMA)
Barcelona (Spain)