

Submarine Rescue
Diving Support Vessel

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The sea ahead

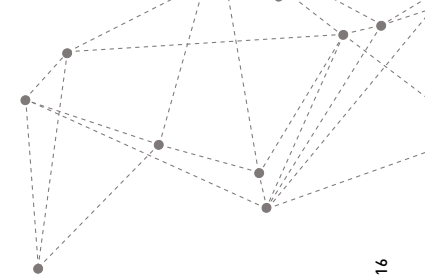


Submarine Rescue Diving Support Vessel

_ main characteristics

— The Submarine Rescue Diving Support Vessel is a multipurpose ship, thought to accomplish different missions:

- Submarine Rescue, through a deployable Submarine Rescue System (SRS), embarked on the stern portion of the weather deck. The ship is also fitted to host, as an alternative, either NATO NSRS or US Navy SRDRS
- Diving Support, through an organic saturation system (SAT), located amidships, which includes two hyperbaric chambers (up to 6 persons each), one transfer under pressure (TUP) system, one hyperbaric boat (up to 16 persons), one working bell (300 m beneath the surface), operated through a dedicated moon-pool
- Hydro-Oceanographic activities, by means of specific sensor suite and hardware, including echo-sounder, Doppler log, Sub bottom profiler, Acoustic Doppler Current Profiler, etc.
- Navy Seals Support, by hosting and deploying special forces and relevant equipment.



Length overall.....	131.50 m
Length between perpendiculars.....	126.80 m
Beam.....	23.00 m
Depth.....	9.00 m
Speed (max/range).....	18/12 kn
Range.....	6 000 nm
Endurance.....	30 days
Crew.....	80-180 people

ENERGY AND PROPULSION SYSTEMS

Propulsion system.....	2 x ELE-AZ. TH.
Generating sets.....	6
1 Dynamic Positioning System (DP2)	

HELO CAPABILITIES

Aviation facilities for helicopter.....	EH-101, SH-90 and UAV
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_ other characteristics

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Head Office

Via Genova, 1 - 34121 Trieste (Italy)
ph. +39 040 3193111 - fax +39 040 3192305

Naval Vessels

Via Cipro, 11 - 16129 Genova (Italy)
ph. +39 010 59951 - fax +39 010 5995379/272

fincantieri.com

SENSORS

- 2 High Precision Acoustic Positioning
- 1 Single Beam Echo-Sound
- 3 Multi Beam Echo-Sound
- 3 Side Scan Sonars
- 1 Sub Bottom Profiler
- 1 Underwater Telephone
- 2 Acoustic Doppler Current Profilers
- 3 Current Profilers
- 1 Wave Buoy
- 1 Gradiometer
- 1 Marine Magnetometer
- 1 Gravimeter System
- 1 Vibrocorer
- 3 Grab Samplers
- 1 Box Corer
- 1 Corer
- 1 CTD Sounder
- 1 Doppler Log
- 1 Expendable Bathythermograph

DEPLOYABLE EQUIPMENT

- 1 McCann Rescue Chamber
- 1 Ventilation system for damaged submarine, control of depressurization included
- 1 ADS-Atmospheric Diving Suite
- 1 ROV-Remotely Operated Vehicle working 3 000 m
- 1 ROV-watching 3 000 m
- 1 ROV-light working 1 000 m
- 1 AUV-Autonomous Underwater Vehicle 3 000 m

COMBAT SYSTEM

- 1 Combat Management System (CMS)
- 1 Integrated Int/Ext Communication System
- 1 Air Surveillance Radar
- 1 IFF Interrogator System + Transponder
- 1 EO Surveillance System
- 1 EW System
- 1 Fire Control System
- 1 Main Caliber Gun - 76 mm SR
- 2 Secondary Caliber Guns - 25 mm
- 2 Short Range Artillery - 12.7 mm
- 2 Long Range Acoustic Devices
- 1 Divers Detection Sonar