



SNR MOSHIP

SUBMARINE RESCUE MOTHER SHIP

**SUNSHINE FROM DEPTH
UP TO 600m**

“A FIRST IN THE WORLD”



IstanbulShipyard

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SNR MOSHIP

SUBMARINE RESCUE MOTHER SHIP

SNR-MOSHIP is a dedicated submarine rescue mother ship designed to perform subsea and surface search and rescue operations in various sea conditions.

Equipped with diesel-electric propulsion system allowing flexible power share and high qualified position keeping, she conforms naval norms, standards and classification rules to its unique off-shore design.

SNR-MOSHIP is capable of detecting distressed submarines, providing life support including ventilation and pod posting, evacuating her crew up to 600 meters of depth and transferring them under pressure up to 5 Bar for the first time in years of submarines' having been used.

SNR-MOSHIP has a maximum continuous speed of 18 knots and an endurance range of 4500 nautical miles at an economical speed of 14 knots for the following roles and capabilities with her built in and necessarily loaded submarine rescue equipments/ systems onboard:



A-Frame, DTL and Chamber Arrangement

Submarine Rescue Operation Roles:

- Search and rescue capability up to and including sea state 6
- Sea bottom imaging, high acoustic capabilities,
- Towed Side Scan Sonar (TSSS) operations,
- Detecting the distressed submarine,
- Position keeping at 4 knots current and sea state 4 with Class II Dynamic Positioning System
- Providing life support to the crew of the distressed submarine including ELSS pod posting
- External ventilation (up to 600 m. depth),
- Dissub personnel rescue (up to 600 m. depth),
 - Transferring under pressure,
 - Treating diving diseases with post modern Recompression chamber and extensive hospital facilities,
 - Recompression chamber facility (twin double-lock and interconnected), L-type SRV connectible pressure chambers for 32 rescuees
 - Acting as a medevac station with her heli-deck, capable of operating around the clock, up to sea state 4,
- A clear aft deck area of 650 m2,
- Operating with certified US SRDRS system with built-in A-frame of US SRDRS SRV and hydraulic/telescopic crane of 35 tons capacity,
- Operating with certified NATO NSRS system,
- Atmospheric Diving Suit (ADS) operations,
- Submarine Rescue Chamber (SRC) operations,
- Personnel Transfer Capsule (PTC) operations,
- Remote Operated Vehicle (ROV) operations,



Aft Propulsion Systems

Auxiliary roles:

- Subsea welding up to 100 meters
- Offshore support
- Towing capability with 60 Bullard Pull
- Handling rescue and salvage operations for surface ships
- Providing subsea repair works and wreck removal, deep sea diving operations



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The Submarine Rescue Mother Ship (named as TCG Alemdar A-582) has been commissioned by the Turkish Navy in January 2017.

She has conducted successfully all the sea trials over 900 hours of operation at sea. Totaly 170 tests have been succesfully executed.

She has NATO certified helicopter deck to handle up to 12 tons helicopters available for vertrep operation during day and night.

The ventilation capability has been tested over the depth of 600m which is the first time in the World.

MOSHIP is a Vessel of Oppurtunity for the Submarine Rescue Vessel concept which is certified and admitted by both NATO and US authorities.



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