



# SNR RATSHIP

RESCUE AND TOWING SHIP

**MULTI PURPOSE SUPPORT SHIP  
FOR SUBMARINE RESCUE,  
SALVAGE, DEEP SEA DIVING,  
OPEN SEA TOWING AND  
FIRE FIGHTING**



Istanbul**Shipyard**

[www.istanbulshipyard.com](http://www.istanbulshipyard.com)





SNR-RATSHIP 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:

**Submarine Rescue Operation Roles:**

- 1000 meter depth and 3000 meter depth Towed Side Scan Sonar
- ROV and Salvage Crane operations
- Multi role multi functional various operational capability
- 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 I Dynamic Positioning System

- Providing life support to the crew of the distressed submarine including ELSS pod posting
- External ventilation (up to 600 m. depth),
- Treating diving diseases with post modern decompression/recompression pressure chambers and extensive hospital facilities,
- Recompression chamber for 6 rescues
- HIFR and VERTREP capability for helicopter operations,
- A clear aft deck area of 460 m<sup>2</sup>,
- Hydraulic/telescopic crane of 12 tons capacity,
- Atmospheric Diving Suit (ADS) operations,
- Remotely Operated Vehicle (ROV) operations,

# SNR RATSHIP

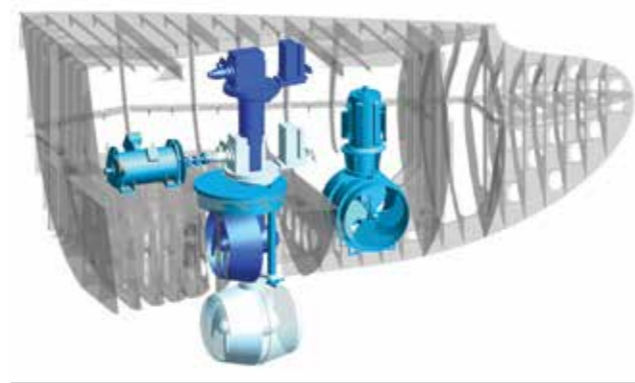
## RESCUE AND TOWING SHIP



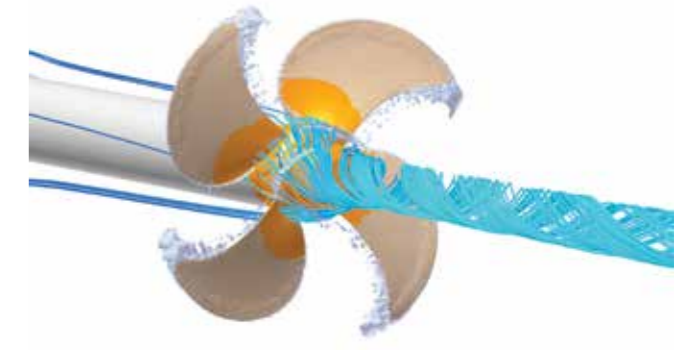
SNR-RATSHIP is a dedicated submarine rescue intervention ship to perform subsea and surface search and rescue operations, open sea towing operations and fire fighting in various sea conditions.

She conforms naval norms, standards and classification rules with its unique design and is equipped with a twin controlled pitch propeller (CPP) system, aft and bow tunnel thrusters and a retractable thruster which allows high maneuverability and position keeping capability.

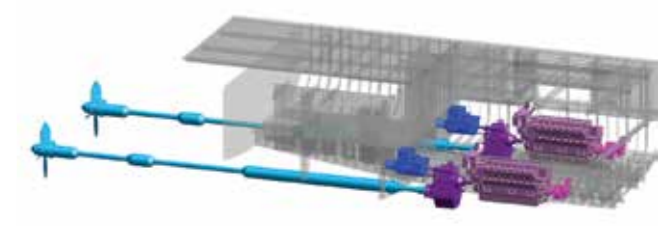
SNR-RATSHIP is capable of detecting distressed submarines, providing life support including ventilation and pod posting, as well as additional auxiliary roles.



Bow Thrusters Arrangement



Propeller CFD



Main Propulsion Arrangement

**Auxiliary roles:**

- Deep sea diving up to 100 meters of depth with surface supplied mixed gas (HeO2) equipment
- Recompression treatment of diving disorders
- Providing all kinds of underwater works including wreck removal and recovering lost or sunken objects
- Underwater ship husbandry
- Underwater cutting and welding up to 100 meters of depth
- 60 tons of Bollard Pull towing capacity
- Offshore support for deep sea diving and salvage operations
- Fire fighting with 5 water/foam monitors
- Exercise torpedo recovery



# SNR RATSHIP

## RESCUE AND TOWING SHIP

Within the scope of Rescue and Towing Ship Projects; the first RATSHIP (named as TCG IŞIN A-583) has been commissioned by the Turkish Navy in July, 2017 and the second RATSHIP (named as TCG AKIN A-584) has been commissioned by the Turkish Navy in December, 2017.



IstanbulShipyard

[www.istanbulshipyard.com](http://www.istanbulshipyard.com)