

# FERSAH | 100-S PA90

PASSIVE RANGING SONAR

#NavalSystems



aselsan

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## PASSIVE RANGING SONAR

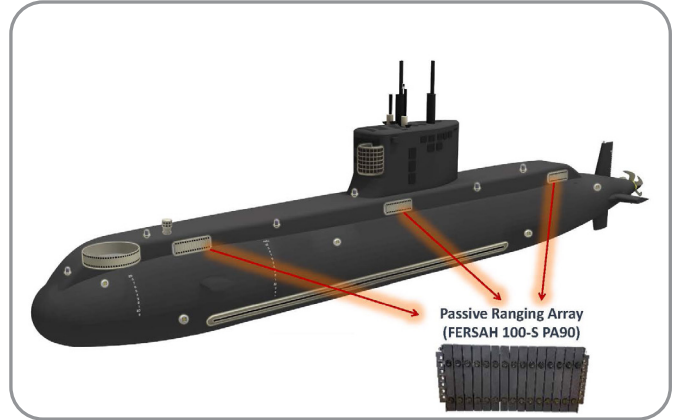
FERSAH 100-S PA90 is a passive sonar operating in the medium and high frequency range. It is a sensor that listens to and helps identify acoustic waves coming from underwater, used by the CMS (Combat Management System) employed in submarine to find the bearing and distance of the noise source. Indigenously developed and manufactured underwater connectors and Pressure Hull Glands (PHG), which will be integrated with this sonar array, are also included in this solution.

FERSAH 100-S PA90 consists of,

- Sensor columns that receives sound signals and converts them into electrical signals,
- A planar metal framework on which the sensor columns are mounted,
- Cables laid on the submarine that transmit signal and power.
- PHG (Pressure Hull Gland) which provides the signal and power to be received in and out of the submarine.

### General Specifications

- Digital communication
- Located on the starboard and port side of submarine and between the pressure hull and the outer hull



Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .