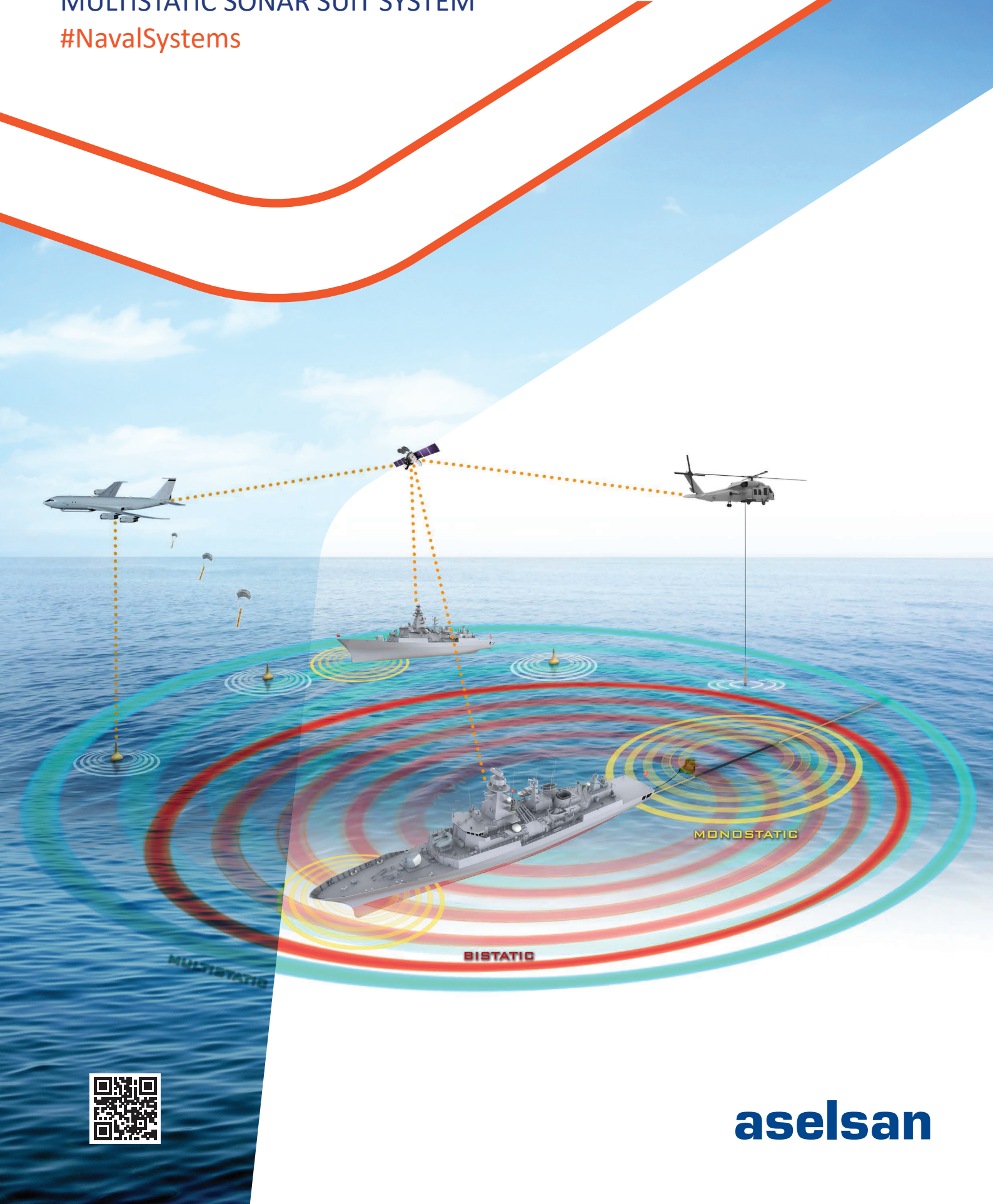


# FERSAH | 100 MS

MULTISTATIC SONAR SUIT SYSTEM

#NavalSystems



aselsan

# FERSAH 100 Ms

## MULTISTATIC SONAR SUIT SYSTEM

FERSAH 100 Ms is an integrated sonar system which is designed for the purpose of detection, tracking, classification and positioning of underwater threats (including submarines, torpedoes, unmanned underwater vehicles, anchored mines, etc.) in open ocean and coastal waters.

FERSAH 100 Ms, which can be integrated to surface platforms (corvettes, frigates, etc.) with the purpose of underwater surveillance, provides an integrated picture of tactical situation with high precision via combination and processing of sonar sensor data which is sent from different sonar systems (hull mounted sonars, towed active/passive sonars, sonobuoys, etc.) with the use of multistatic active/passive sonar signal processing.

### System Configuration

- ASELSAN FERSAH 100-N/LF Low-Mid Frequency Hull Mounted Sonar**  
 FERSAH 100-N/LF System includes an Underwater Defence Warfare Sonar with the purpose of detecting underwater threats from long range. The system also includes an Obstacle Avoidance Sonar with the purpose of detecting mine like small objects from short range. FERSAH 100-N/LF has a digital underwater telephone interface compatible with NATO JANUS standard.
- ASELSAN DÜFAS Low Frequency Towed Active Sonar System**  
 ASELSAN DÜFAS System provides the possibility of active target search and detection at low-frequency against surface ships (corvettes, frigates) and submarines. Thanks to the advanced sonar capabilities of the system, submarines at long range can be detected before getting close to a distance which will create a threat to the related platform.

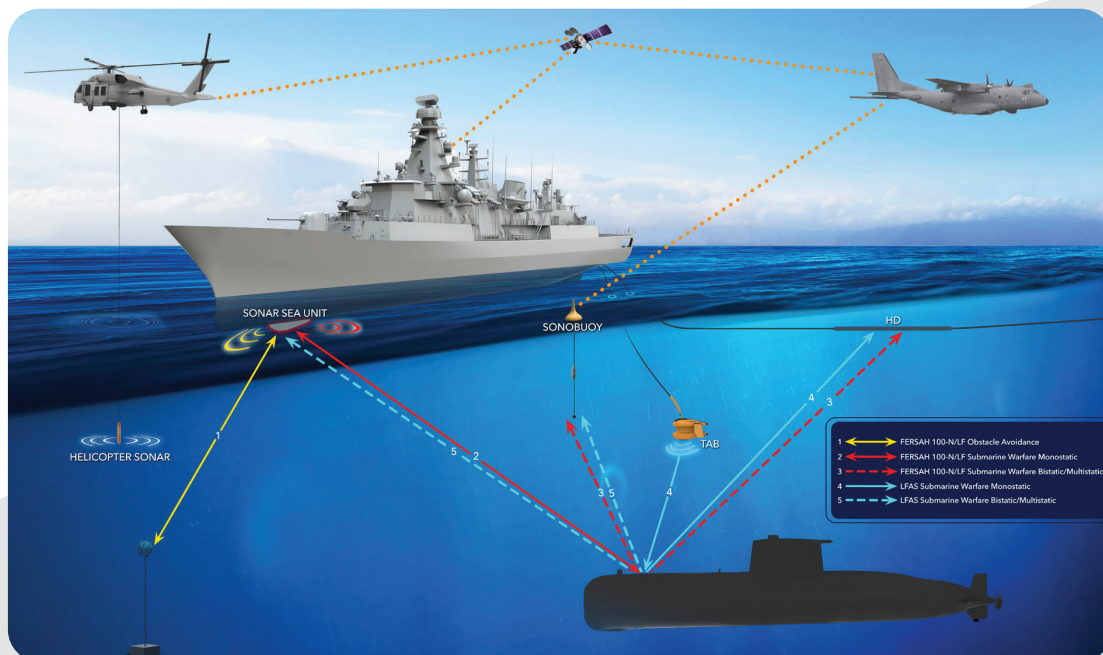
- **Other Frequency Compatible Sonars (Sonobuoy, etc.)**
- **FERSAH 100 Ms Subsystem**

By the use of FERSAH 100-N/LF, DÜFAS and other frequency compatible sonar systems within the scope of multistatic sonar system concept; the following capabilities are achieved:

- Combination of sonar data from different platforms,
- Control of combined sonar data by a higher level system,
- Increased target detection success,
- A higher resolution surveillance capability over a larger area.

### System Capabilities

- Target detection and localisation via Low-Mid Frequency Hull Mounted Sonar
- Capability of combination and processing of sonar sensor data which is sent from different sonar systems (hull mounted sonars, towed active/passive sonars, sonobuoys, etc.).
- Bistatic operation capability
- Increased detection range, detection probability and localisation
- Integrated detection, tracking, classification and target merging capability
- Intercept, TMA, LOFAR and DEMON analysis
- Torpedo detection and classification
- Multistatic sonar operation planning via Sonar Performance Modelling Tool
- Capability of integrated use with torpedo countermeasure systems (decoys, decoy launchers, towed decoys, magnetic decoys)



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