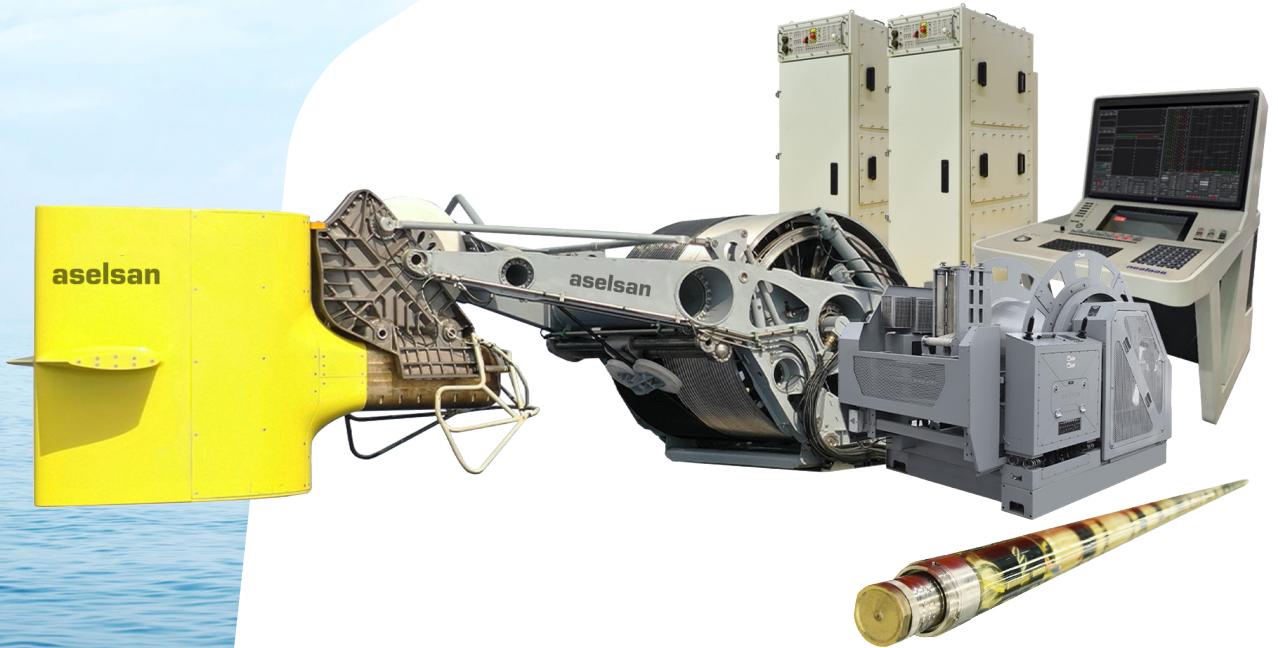




LOW FREQUENCY TOWED
ACTIVE / PASSIVE SONAR SYSTEM

#NavalSystems



DÜFAS 100/LR is the state-of-the-art variable depth Low Frequency Towed Active Sonar System which is designed to be used by surface combatants for long range anti-submarine warfare and surveillance.



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LOW FREQUENCY TOWED ACTIVE / PASSIVE SONAR SYSTEM

DÜFAS 100/LR System detects submarines and torpedoes from long range using active and passive capabilities. The system provides optional countermeasure capability against torpedoes launched from enemy platforms and advises the best available tactic for evasion. The tactic includes ship maneuvers and usage of Towed Acoustic Decoy and Expendable Decoy launching pattern.

System Capabilities

- Long Range Automatic Target Detection and Localization Capability in Active Mode
- Long Range Automatic Torpedo Detection, Tracking and Classification Capability in Passive Mode
- Torpedo Countermeasure Capability (Optional)
- Bi-static/Multi-Static Sonar Architecture
- 360 Omni-directional Transmission
- Triplet Towed Array For Resolving Port/Starboard Ambiguity
- State Of The Art Adaptive Signal Processing
- Selectable Pulse Type and Pulse Length
- Operation Under Thermal Layer For Maximum Surveillance
- Built-in test function
- Simulation Ability For Sonar Performance Prediction
- Able to Operate and Survive at High Speeds and High Sea State Levels
- Adaptable to Combat Management System Capability
- Integrated On-board Training Mode
- Data Recording Capability

System Configuration

- Low Frequency Towed Active Array
- Low Frequency Towed Passive Triplet Array
- Separate Winches For Both Active and Passive Arrays
- Signal Processing and Power Cabinets
- Operator Console
- Torpedo Countermeasure Units (Optional)
 - Expendable Decoys
 - Pneumatic Launchers for Expendable Decoys
 - Towed Acoustic Decoy

