



LOW FREQUENCY TOWED COMPACT
ACTIVE / PASSIVE SONAR SYSTEM

#NavalSystems



DÜFAS 100-CU is the state-of-the-art Low Frequency Towed Compact Active/ Passive Variable Depth Sonar System is designed to detect submarines and torpedoes from long ranges using active and passive sonar capabilities.



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LOW FREQUENCY TOWED COMPACT ACTIVE / PASSIVE SONAR SYSTEM

DÜFAS 100-CU system which has lightweight and compact design can be used on surface platforms of different sizes and unmanned surface vehicles.

System can be used on Unmanned Surface Vehicles from the remote control center which is located on harbour or on the other surface vehicle. The system also can be controlled via the Operator Console.

System Capabilities

- Lightweight and Compact Design
- Long Range Automatic Target Detection, Localization and Tracking Capability in Active Sonar Mode
- Long Range Automatic Target Detection, Tracking and Classification Capability in Passive Sonar Mode
- Active and Passive Sonar Components, stored on the Winch System, Available to Use
- Independent Backup Systems for the Active and Passive Sonar System Components
- Bi-static/Multi-Static Sonar Architecture,
- 360° Omni-directional Transmission
- Passive Triplet Towed Array for Instantaneous Resolving Port/Starboard Ambiguity
- Various Pulse Types and Pulse Lengths
- Wide Band Transmission Capability
- Operation Under Thermal Layer for Maximum Surveillance
- Built-In Test Capabilities
- Integrated Sonar Performance Prediction Tool
- Integrated On-Board Training Mode
- Data Recording, Replay and Analysis Capability

System Configuration

- Active Towed Body
- Passive Triplet Towed Array
- Remotely Controlled Winch System
- Operator Console
- Processing Cabinet
- Power Cabinet

Additional Provided Configurations

- **Unmanned Surface Vehicle Configuration:** The system can be integrated on unmanned surface vehicles and controlled via the control center which is located on harbour or on the other surface vehicle.
- **Containerized System Configuration:** Possibility to transport whole system easily between different platforms via the container.
- **Decomposable System Components Configuration:** For Surface vehicles with limited space, system components can be positioned separately from each other in different locations on vehicle.

***Torpedo Countermeasure System That Can Be Used Additionally for Each 3 Provided Configurations: Torpedo Countermeasure System which is composed of Launchers and Decoy. In this configuration, the system can be installed on surface vehicles with limited space.*

