



**SAAB**

AUV62-AT

# Train As You Fight



# Total Engagement

Saab's highly flexible, modular target AUV62-AT is leading the evolution of Anti-Submarine Warfare (ASW) training. The AUV62-AT can replace a live submarine in a wide range of training scenarios, thereby reducing cost without compromising authenticity.

Designed to simulate a library of threats, and compatible with torpedoes and sonar systems used by the majority of navies, the AUV62-AT is intended to develop operator and command team training at all levels. It also enables sonar and command system evaluation, and can train and evaluate an entire ASW force.

The AUV62-AT can replicate a range of submarines, both friend and foe, so that all personnel can maximize their training opportunities.

The system has the flexibility to operate in exercises at any location, and can be launched and recovered

from a ship, submarine or the shore. It can be retrieved independent of its deployment method if desirable. When operated from a ship, a custom-designed docking device is used for launch and recovery.

## System Overview

The AUV62-AT is a complete package, with features ranging from communications software to mission evaluation. Each training program can be personalized to meet a range of demands.

This command and control system includes all necessary ancillary features. Mission planning, control and evaluation is conducted via a PC-based operator console.

The system allows training sessions to be longer and more intense, without having to factor in the use of submarines or extra resources.

The AUV62-AT has fully customisable noise settings, where the sound and echo repeater can be changed to suit a mission's needs.

The signature generation system has two basic functions, passive and active, to match all operational needs. Operators can alter the length of the vehicle's tail to meet a range of target sizes, and program the speed to determine battery life.

## In-Service Support

Saab works closely with customers worldwide to secure their operational capabilities through our well-established and effective in-service support solutions. Our flexible and scalable range of offerings includes:

- Maintenance and repair
- Supply and logistics
- Operational and technical support
- Training
- Upgrades and modifications
- Obsolescence management





**TRANSDUCERS**

Low, medium and high frequency transducers provide echo, noise and tonal transmission



**MAST**

The mast arrangement is for communication and data transfer



**TARGET ELONGATION CAPABILITY**

The extendable tail is an integral part of the system that allows the target to emulate the strength and size of a real submarine



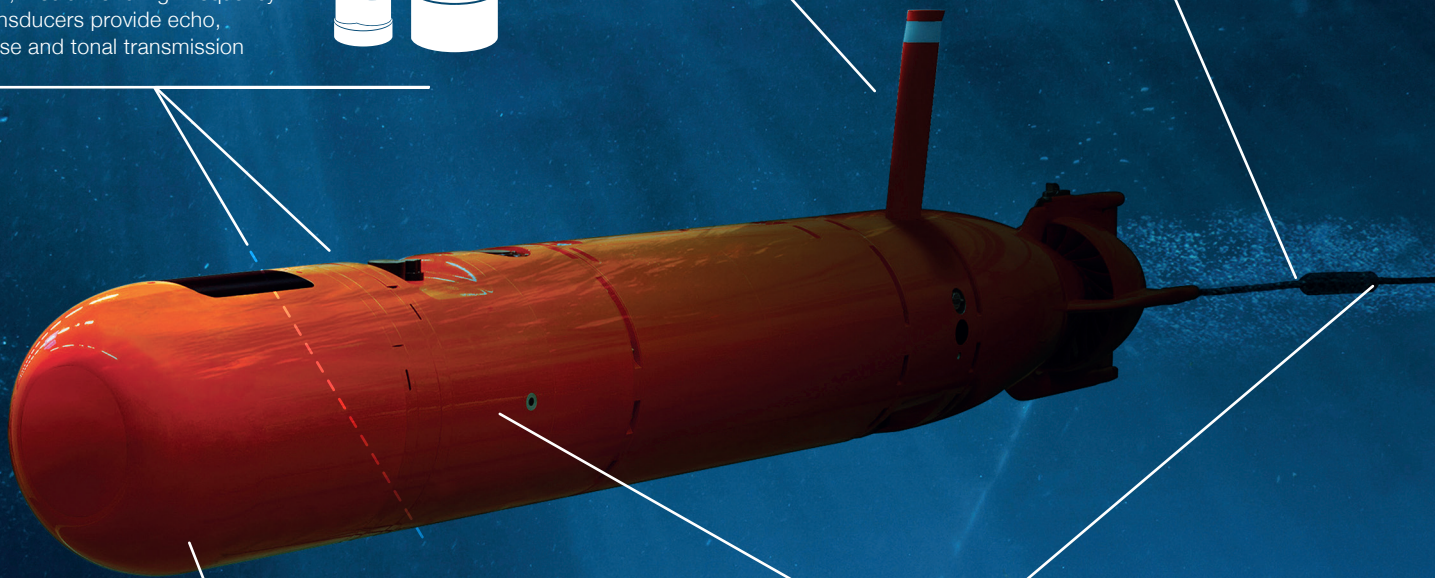
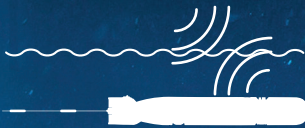
**HYDROPHONES**

Hydrophones are mounted in the hull and in the towed tail for echo repetition



**COMMUNICATION LINKS**

Communication can be conducted while on the surface as well as underwater





# Authentic Operations For All Units



## Standard System Specifications

Diameter	21 in	Endurance	> 3 h at 10 kt > 9 h at 6 kt > 18 h at 3 kt
Weight	Approx. 800 kg	Operational depth	0–300 m
Speed	3–12 kn underwater 0–3 kn on surface		
<b>Acoustics (active)</b>		<b>Acoustics (passive)</b>	
Echo repeater	Programmable	Fully programmable passive signature	Noise, tonals, modulations, speed dependency and pre-recorded signatures
Frequency response	1 kHz–100 kHz	Frequency range	25 Hz–100 kHz
Target strength	-20 dB - +20 dB		
Output	175 dB (rel 1 μPa 1m)		

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