



SAAB

DOUBLE EAGLE SAROV

One system, multiple functions



The underwater advantage

Saab Underwater Defence Systems is the world leader in providing complete solutions for underwater vehicles. Naval forces around the world trust us to deliver reliable, cutting-edge technology and advanced capabilities.

Our expertise encompasses Mine Countermeasures (MCM), anti-submarine warfare, anti-surface warfare and counter-terrorism.

This knowledge, and particular experience in developing Remotely Operated Vehicles (ROVs) and torpedo shaped Autonomous Underwater Vehicles (AUVs), has been the foundation for the development of the Double Eagle SAROV.

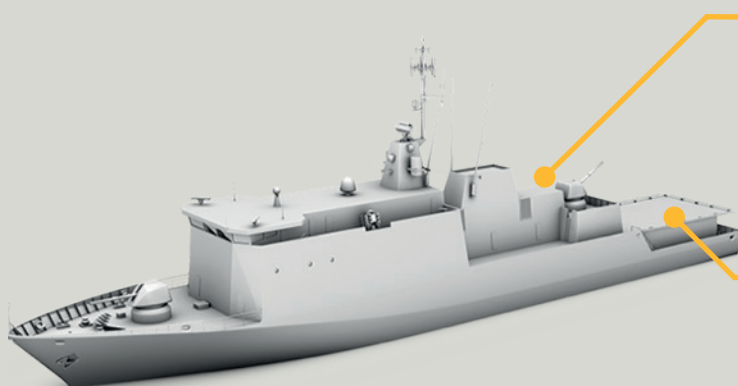
System overview

Ultimate underwater flexibility

The Double Eagle SAROV is a safe, versatile and cost-effective hybrid system that can perform both detection and disposal.

It can be operated both as an AUV for detection, classification and identification, and as an ROV for mine disposal.

The SAROV's robust design, mission modularity and long-term ability make it suitable for a variety of operations. These include underwater surveys, identification, mine disposal, detection of underwater objects and Rapid Environment Assessment (REA) missions. The SAROV system can either be installed on ships or deployed as a fully containerised system.



Installed inside ship

In the ship, a dedicated operator prepares missions and operates the deployed vehicle. The SAROV system can be fully integrated towards a ship CMS or operated standalone using the built-in operator software.



Installed on deck

On-board equipment such as winch, tether and cradle for storage of the vehicle is installed on deck. Launch and recovery (LARS) is done by utilising the ship crane or via specific LARS equipment.





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:

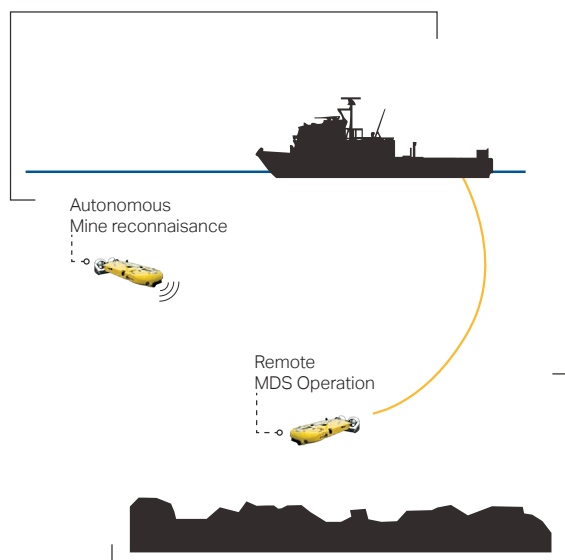
- Maintenance and repair
- Supply and logistics
- Operational and technical support
- Training
- Upgrades and modifications
- Obsolescence management



Under sea operations

The SAROV vehicle can be operated as an ROV using two different tethers. One is a thin fibre tether for real-time communication and long-range missions (> 3 km) while the vehicle is powered by its internal battery. The other is a combined power and communication tether, with a standard length of 1,000 m for long endurance missions.

As an AUV, the vehicle can operate independently of the ship with an obstacle avoidance capability, and can perform MCM missions based on pre-planned instructions downloaded before launch or transmitted via wireless communication while surfaced.



Ultimate underwater flexibility



Standard system specifications (ROV)

Dimensions	3.0 x 1.3 x 0.8 m
Op. depth	300 m
Forward speed	0–6 kt
Forward thrust	2,500 N (max)
Weight in air	Approx. 730 kg
Weight in water	Trimmed to be slightly buoyant



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