

Press release 28 October 2026

Saab launches Ocean Barrier for maritime border protection

Saab introduces Ocean Barrier, a fully integrated scalable underwater surveillance solution designed to provide persistent maritime awareness and protect critical infrastructure, coastal areas and territorial waters from underwater threats.

The underwater domain has long been one of the most challenging environments to monitor and protect, and as maritime infrastructure becomes increasingly important to national security, the need for reliable underwater surveillance has never been greater. The challenge means not only simply improving the performance of individual systems, but networking different capabilities together to create a more complete operational picture and coordinate responses more effectively. Ocean Barrier addresses this challenge by enabling operators to detect, track and analyse underwater activity across large maritime areas, helping protect coastlines, ports, offshore installations and other critical assets.

Saab's extensive and long running leadership in underwater systems means Ocean Barrier achieves this by integrating sensors, data collection and operator capabilities into a single connected system. By converting sensor information into real-time situational awareness, it helps its operators understand what is happening below the surface and respond to potential threats with confidence.

"The free flow of goods is the fundamental engine of the modern global economy. In a grey zone scenario or conflict an aggressor may try to disrupt vital sea lines of communication thereby damaging both economic activity and military logistics. With Ocean Barrier we provide customers with a scalable and future-ready solution that delivers continuous awareness, enabling faster decisions and more effective protection of critical assets and maritime areas," says Åsa Schöllin, head of business unit Underwater Systems at Saab's business area Naval.

Ocean Barrier's offers three defensive perimeters, known individually as Detect, Prevent and Protect, which can be tailored to different operational environments while each can operate independently or as part of a larger integrated system. Ocean Barrier is therefore equally suited to protecting a single harbour, naval base or offshore installation as it is to secure extensive coastlines and national waters. The sensor-agnostic design also enables seamless integration with existing surveillance ecosystems.

At REPMUS 2026, the world's premier international exercise and development project for maritime unmanned systems, Ocean Barrier showcased its capabilities. Ocean Barrier successfully demonstrated the ability to integrate data from diverse sensor systems and

autonomously handing off tracked objects via a NATO standard protocol to the exercise's central command system.

Designed to adapt to new threats and the means to combat them, Ocean Barrier is built on a modular and cyber-secure architecture that allows users to integrate new sensors, technologies and analytical capabilities as needs evolve.

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Saab is a leading defence and security company with an enduring purpose, to help nations keep their people and society safe. Empowered by its 31,000 talented people, Saab constantly pushes the boundaries of technology to create a safer and more sustainable world. Saab designs, manufactures and maintains advanced systems in aeronautics, weapons, command and control, sensors and underwater systems. Saab is headquartered in Sweden. It has major operations all over the world and is part of the domestic defence capability of several nations.

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Registration no.: 556036-079