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## Sea Trials Commence of Upgraded Gotland Submarine

On Friday October 19 His Swedish Majesty Ship (HSwMS) Gotland started its sea trials at the Saab shipyard in Karlskrona, after a comprehensive Mid-Life Upgrade (MLU) to ensure its operational service to Sweden beyond 2025.

HSwMS Gotland is the first of two submarines being upgraded with the mid-life modifications, which consist of upgrades of onboard systems and technology, sustaining the submarine's operational capability to meet future naval challenges.

"The sea trials mark an important phase in the MLU project. This is the first time the crew will be able to operate the new systems in the true environment. After extensive training in the land based training facility, they will now be able to see the true potential of their submarine", says Gunnar Wieslander, Senior Vice President, head of business area Kockums at Saab.

The upgrade process entails many important systems, such as the Stirling Air Independent Propulsion (AIP) for longer duration underwater and the combat system. Even the traditional optical periscope is replaced with a new optronic mast for enhanced surveillance. More than 20 systems on-board the upgraded Gotland-class will be implemented in the new A26 submarine for Sweden. The Gotland MLU therefore contributes to the test and qualification of some of the innovative solutions to be implemented in the future Swedish A26 submarines.

After tests and verifications, the submarine will be delivered back to the Swedish Navy.

Please visit [saab.com/submarineevolution](http://saab.com/submarineevolution) for additional images and infographics regarding MLU of Gotland.

### Facts about the MLU of Gotland

Length overall	62 m
Beam	6.2 m
Displacement	1580 tons (surfaced)
Weapons	Torpedoes, bow tubes
Propulsion	Single-shaft, diesel-electric and Stirling AIP
Endurance	Weeks (submerged)
Hull	Single pressure hull, two pressure tight compartments
Crew	25

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