

MQ-9B SeaGuardian

A remotely piloted aircraft system (RPAS) equipped with maritime payloads



Key Trends in Defence

Canada is projected to spend 1.37% of its gross domestic product (GDP) on defence spending in 2024 —well below the North Atlantic Treaty Organization (NATO) benchmark of 2% of GDP. The government has committed to reach NATO 2% by 2032.

The 2024 defence report Our North, Strong and Free: A Renewed Vision for Canada’s Defence recognizes the need to reinforce the Arctic amid the impact of climate change, increased foreign activity in the region, and the presence of enemy submarines as an emerging and escalating threat. As the Arctic becomes more accessible, Canada faces significant security challenges and must ensure its military has the resources to protect its Arctic sovereignty.

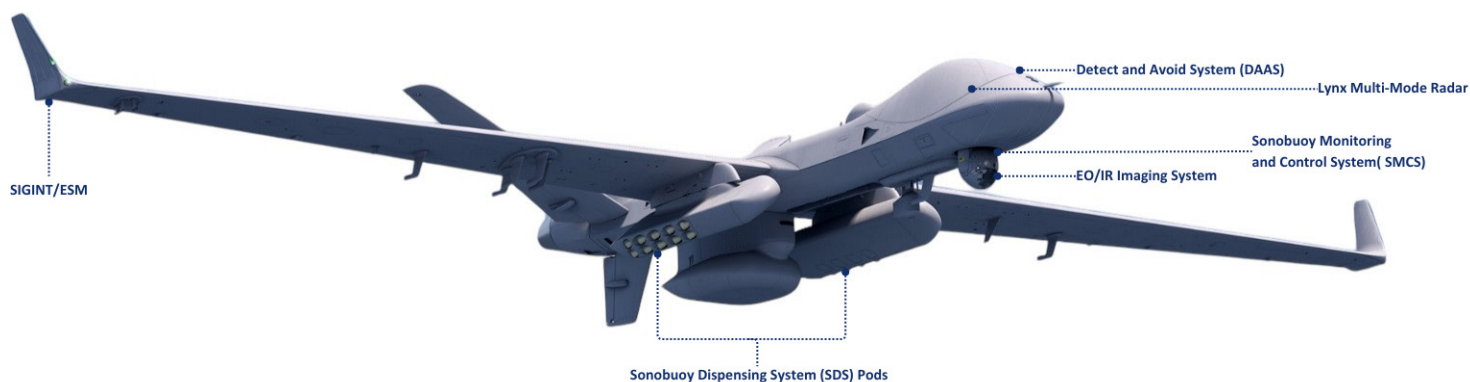
Modernizing the Arctic’s defence is critical—not only to build up a credible deterrence in the North but also to align with NATO 2%.

Criteria of an Ideal Solution

- Submarine detection
- Cost-effective
- Fewer personnel required
- Enhanced efficiency in extreme conditions

SeaGuardian Specifications

Characteristic	Specification
Wingspan	24 metres
Length	11.7 metres
Powerplant	Honeywell TPE331-10 Turboprop
Max Gross Takeoff Weight	5670 kilograms
Fuel Capacity	2721 kilograms
Max Endurance	30+ hours
Max Altitude	40,000 feet above mean sea level
Max Airspeed	210 knots true airspeed



SeaGuardian's Anti-Submarine Warfare Mission Kit

Component	Feature	Benefit
Detect and Avoid System	Senses and evades nearby aircraft	Seamless integration in military and civil airspace
Lynx Multi-Mode Radar	Provides high-resolution imagery that can be captured through clouds, rain, fog, smoke, or dust	Reliable, all-weather surveillance
Electro-optical Infrared Imaging System	Identifies objects or targets in the infrared spectrum	Total visual situational awareness
Signals Intelligence (SIGINT)	Locates and track surface radars	Enhanced tactical decision-making by gathering information on emitters
Sonobuoy Monitoring and Control System	Receives and processes acoustic signatures from sonobuoys	Proactive submarine detection
Sonobuoy Dispensing System Pods	Carry and release sonobuoys	Persistent submarine tracking and underwater surveillance
De-ice/Anti-Ice System	Protects and maintains airframe performance from icy conditions	Safe and reliable operations in a polar environment

What Sets SeaGuardian Apart?

MQ-9B SeaGuardian delivers more on-station time, burns 90% less fuel, and requires 50% fewer personnel to operate than manned maritime patrol aircraft. This translates to **86% lower operational costs**—about \$5,000/hour compared to \$35,000/hour for manned aircraft.

Contact Information

For more information on SeaGuardian: <https://www.ga-asi.com/remotely-piloted-aircraft/mq-9b-seaguardian>

For General Business and Media Inquiries, please call: (858) 455-3000