

THE MULTI-DOMAIN  
**ADVANTAGE**

**MQ-9B**



*SkyGuardian*

*SeaGuardian*



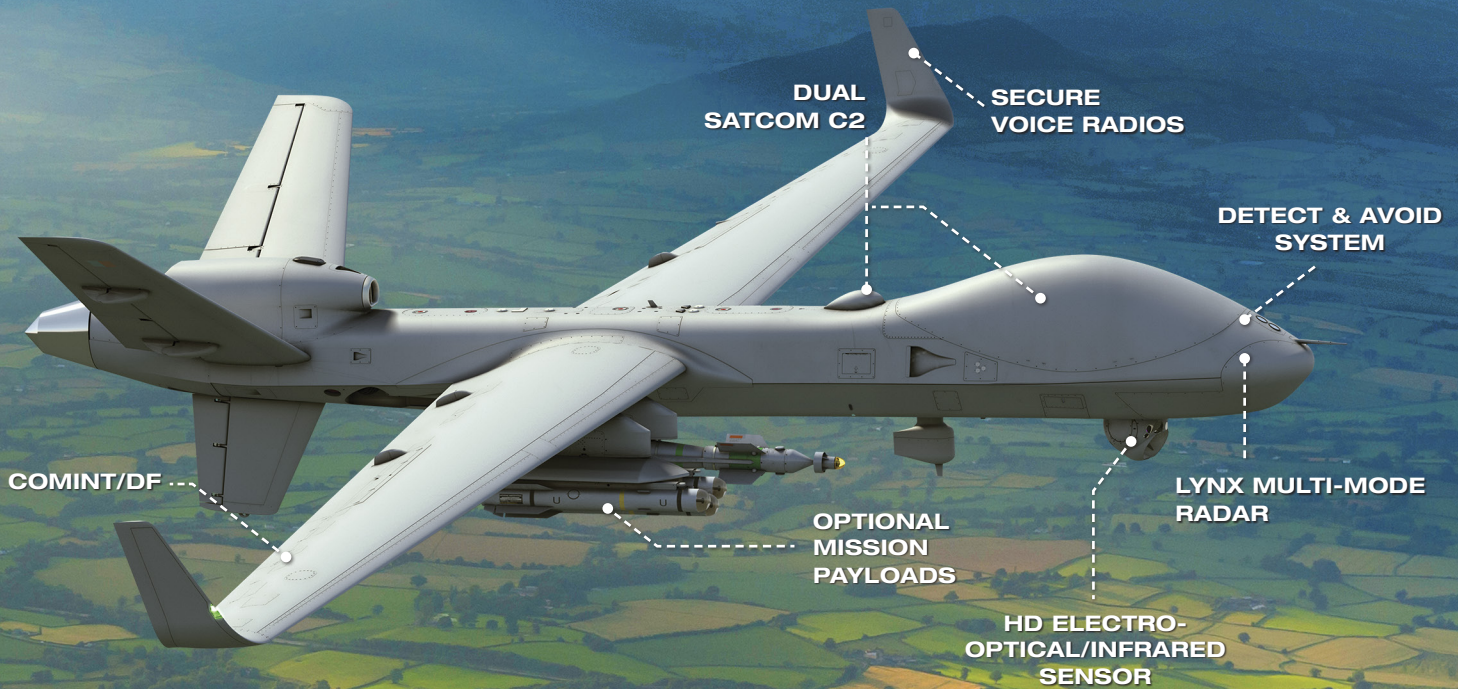
Enabling Information Dominance



**GENERAL ATOMICS**  
**AERONAUTICAL**

# ONE PLATFORM | MULTI-DOMAIN CONFIGURATIONS

## MQ-9B *SkyGuardian*



### MULTI-DOMAIN AWARENESS

MQ-9B SkyGuardian/SeaGuardian is the new generation of multi-domain remotely piloted aircraft systems, delivering persistent intelligence, surveillance and reconnaissance and more around the globe. MQ-9B is designed to fly over the horizon via satellite for up to 40 hours, depending on configuration, in all types of weather and safely integrate into civil airspace. This enables joint forces and civil authorities to deliver real-time situational awareness anywhere in the world—day or night.

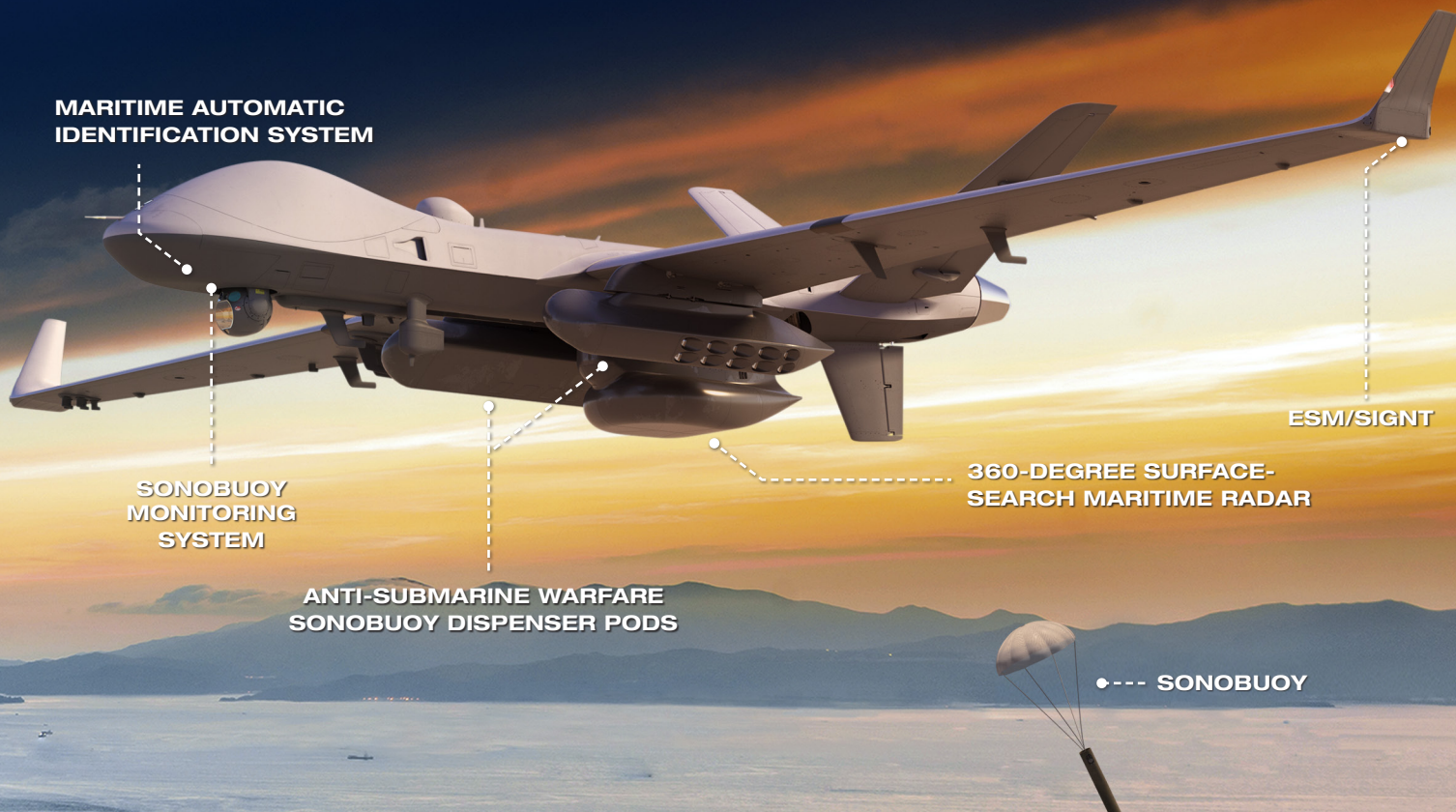
All MQ-9B aircraft carry the revolutionary Lynx Multi-Mode Radar, an advanced electro-optical/infrared sensor, dual satellite command and control, automatic takeoff and landing, and signals intelligence capabilities. However, MQ-9B goes beyond sustaining industry-leading endurance and collecting real-time intelligence. It seamlessly integrates with its users' other platforms, systems and podded technologies, expanding MQ-9B's multi-domain mission set.

### OPEN ARCHITECTURE UTILITY

MQ-9B is the newest in a family of systems that has achieved over 7 million flight hours supporting operations around the globe, from the battlefield to environmental and humanitarian efforts. Drawing on this experience, MQ-9B provides enhanced payload capacity and an open architecture system that enables the aircraft to integrate the most advanced payloads for intelligence gathering, enhanced survivability, and even an array of kinetic payloads for unmatched versatility in complex operational environments over land and sea.

The aircraft features nine external hardpoints (8 wing, 1 centerline) that carry up to 4750 lbs (2155 kg) as well as space for internal payloads up to 800 lbs (363 kg). Users around the world can easily integrate sovereign payloads and mission systems for their own uniquely tailored multi-domain solutions. For example, the SeaGuardian configuration can include a 360-degree surface-search maritime radar, automatic identification system, sonobuoy monitoring system, and sonobuoy dispensers for persistent anti-surface and anti-submarine warfare missions.

# MQ-9B *SeaGuardian*



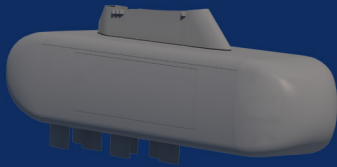
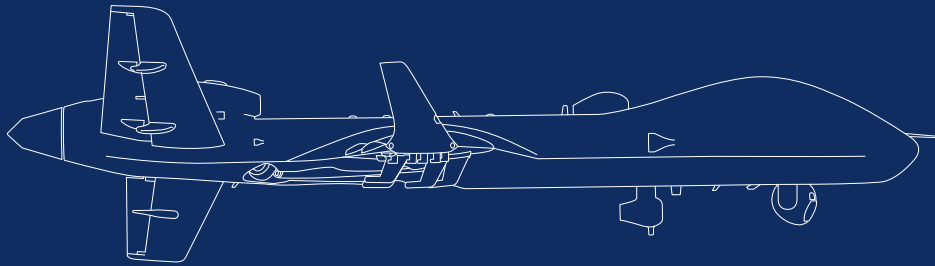
## SUBMARINES CAN'T HIDE

SeaGuardian's powerful onboard systems and ample payload make it the only aircraft of its kind that can deploy, monitor and control sonobuoys. SeaGuardian has four wing stations available to carry sonobuoy dispenser pods accommodating up to 40 A size or 80 G size sonobuoys. In its standard ASW configuration, SeaGuardian can simultaneously process up to 32 sonobuoys and has proven its ability to detect, identify and track subsurface targets during the U.S. Navy's Integrated Battle Problem in 2021. With the ability to operate remotely, navy crews can search for and track submarines from anywhere in the world. SeaGuardian offers commanders a low-cost, standalone capability—or a powerful complement to conventional maritime patrol aircraft via manned-unmanned teaming.

## OPEN AIRSPACE PIONEER

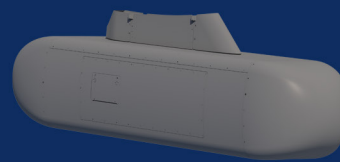
MQ-9B was designed from the ground up to fly freely in unsegregated national and international airspace. The aircraft meets NATO standards (STANAG 4671) and complies with civil airspace requirements around the world. Using GA-ASI's first-of-its-kind Detect and Avoid System and Certifiable Ground Control Station, MQ-9B seamlessly integrates into civil airspace with any commercial or other military aircraft. MQ-9B's remote flight control station gives operators a similar, if not better, picture of air traffic than the cockpit of manned aircraft. Over the years, GA-ASI has been working closely with the U.S. Federal Aviation Administration and the UK Civil Aviation Authority to gain their approvals for MQ-9B to operate in civil airspace. Today, the UK's Royal Air Force is leading the way for MQ-9B and will be the first force to employ their model of the aircraft—the Protector RG Mk1.

# MULTI-MISSION PAYLOADS



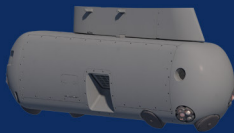
## SCALABLE OPEN ARCHITECTURE RECONNAISSANCE (SOAR)

SOAR provides identification, geolocation and characterization of signals of interest for the formation of Electronic Order of Battle.



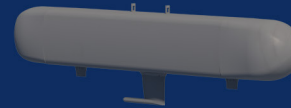
## SLEDGEHAMMER

Sledgehammer provides electronic attack capabilities in support of multi-mission Radio Frequency spectrum operations.



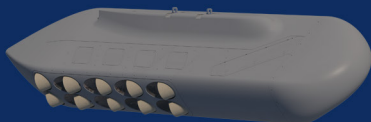
## SELF-PROTECTION POD (SPP)

SPP enables critical MQ-9 operations within contested airspace with full-spectrum threat awareness and countermeasures capability.



## ROSETTA ECHO ADVANCED PAYLOAD (REAP)

REAP provides seamless communications and digital interoperability, connecting sensors to shooters.



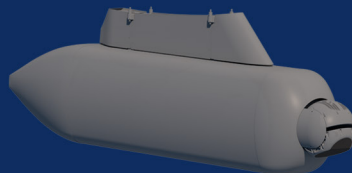
## ANTI-SUBMARINE WARFARE (ASW) - SONOBUOY DISPENSER POD

ASW Dispenser Pod provides the ability to deploy sonobuoys, small unmanned aircraft systems or common launch tube munitions.



## NATO POD

NATO Pod is an enclosure designed and manufactured by SENER Aeroespacial that enables operators to easily integrate sovereign payload systems.



## AIRBORNE LASER COMMUNICATIONS SYSTEM (ALCOS)

ALCoS provides high data rate and low probability of intercept/detect through airborne laser communications.