SAILDRONE VOYAGER
Autonomous uncrewed vehicle for maritime domain awareness

The world’s most capable, proven, and trusted USVs

Maritime Domain Awareness / ISR Solution
Autonomous Vehicles Providing Persistent Presence at Sea

Near-real-time intelligence via affordable Contractor Owned/Operated (COCO) service

Saildrone is a US small business that designs, manufactures, and operates a fleet of the world’s most capable, proven, and trusted uncrewed surface vehicles (USVs) providing actionable intelligence, not just data, to your force.

Eliminate maritime gaps above and below the sea surface while reducing risk. Saildrone USVs are predominantly powered by wind and solar and are capable of extreme-duration missions up to 12 months in the open ocean while producing a minimal carbon footprint. The Saildrone MDA solution uses a combination of radar, AIS, passive acoustics, cameras, and machine learning algorithms to identify and track targets of interest in real time.

The impressive capabilities of Saildrone’s autonomous vehicles have been proven in numerous operational missions for science, ocean mapping, and maritime security, covering 800,000+ nautical miles from the Arctic to the Antarctic. The Saildrone fleet has logged 18,000+ days at sea in some of the most extreme weather conditions on the planet.

EXECUTABLE MISSIONS

- IUU (Illegal, unreported and unregulated fishing)
- Ecosystem monitoring
- Pattern of life monitoring
- Law enforcement and maritime safety
- Drug interdiction
- Border patrol
- Harbor security
- Guard vessel roles
- Sanction monitoring
- Range clearing
- Acoustic/SIGINT baselining

ENVIRONMENTALLY FRIENDLY
MACHINE LEARNING CAPABILITIES
END TO END ENCRYPTION
SECURE CLOUD STORAGE

AMERICAN MADE, OWNED, AND OPERATED

Navigating an ocean of data. Delivering a world of possibilities. Saildrone.com
Machine Learning-enabled Maritime Domain Awareness

Saildrone USVs utilize ML models running onboard GPU compute processors to deliver real-time, visual detection of targets that may not be transmitting their position. These detection events are then fused with other data sources—radar, AIS, and acoustics—to deliver a fully informed picture of the surrounding maritime domain.

Contact us at Saildrone.com to plan your next MDA mission.