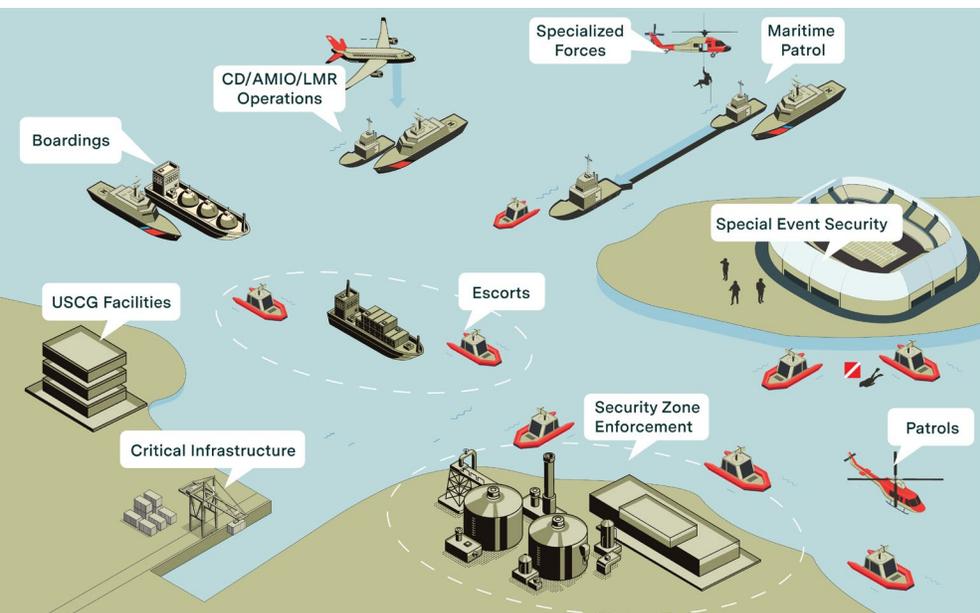


# Advanced Sensing Technology for NextGen Coastal Sensing

## Persistent Multi-Domain Awareness to Protect the Homeland

The skies are no longer simple. Drones pose a growing threat to U.S. Coast Guard missions, exploiting airspace around harbors, shipping lanes, and critical facilities. They can disrupt patrols, ship escorts, vessel boardings, and security at cruise terminals, stadiums, and energy infrastructure. Small, inexpensive drones are difficult to detect yet capable of surveillance, interference, or attack. As drone activity surges, vigilance and rapid response are essential to protect personnel, ensure mission success, and safeguard national infrastructure. In today's world, layered, persistent air awareness is no longer optional – it's mission-critical.



Swarm of ~20 drones tracked a USCG patrol vessel off New Jersey

Dec 2024

Multiple, recurring unauthorized UAS flights over MTSA facilities

2023-2024

Persistent Wide Area Air Surveillance enables the Coast Guard to extend mission effectiveness across land, sea, and air. Hidden Level's rugged, portable passive radar and RF detection systems deliver persistent coverage with maximum accuracy and minimal false alarms. Designed for rapid deployment and long-term sustainability, these solutions integrate seamlessly with C2 and mitigation systems – including optical, infrared, acoustics and legacy radar – through an open architecture framework. Interoperability with federal, state, and local partners ensures scalability for evolving threats and strengthen operational readiness across all mission sets, including: Fixed Location and Coastal Sensing, Mobile Response, Special Mission Support (FIFA, Presidential Security), Large Events (America250)

### With Hidden Level's sensors, USCG forces gain access to:

- **Dual-use technology:** Supports domestic Law Enforcement and Department of War missions.
- **Enhanced electronic warfare capabilities:** Provides superior intelligence, surveillance, and reconnaissance (ISR).
- **Advanced detection and tracking:** Identifies aerial and surface threats with precision.
- **Flexible deployment:** Adapts easily across diverse mission profiles, ensuring versatility and reliability.

# Mission-Ready Capabilities

## Mission Effectiveness

- Adaptable, supporting multiple mission sets
- High accuracy with minimal false alarms,
- Effective tracking of aerial and surface targets up to 35 km

## Interoperability

- Open API architecture ensures seamless integration and real-time sensor data visualization.
- Integrate with existing command and control (C2) systems and Tactical Awareness Kit (TAK)

## Spectrum Coexistence

- Precision RF scanning and advanced filtering allows for flexible emplacements.

## Digital AESA Technology

- Advanced interference suppression for precise operations.
- Flexible beamforming adapts to mission demands.

## Software Programmable for Evolution

- Multi-mode capability can adapt to the mission on the fly.
- Regular updates add new features and enhance capabilities.
- Scale for future threats (software defined), with the ability to on-ramp complementary technology as the threat advances.

## Wide Frequency Coverage

- Continuous frequency coverage 400 MHz to 6 GHz.
- Sensors can be used standalone or to cue other sensors and effectors with up to 1° accuracy.

## Rugged and Reliable

- TRL9 and MIL-STD tested for reliable operation in challenging maritime environments.

## Legal and Regulatory Compliance

- Passive sensing operates without requiring spectrum licensing or regulatory approvals. Complies with legal, regulatory, and cybersecurity standards for inside the US (Title 18) and outside.



## CASE STUDY: Integrated with Saab's Autonomous Ocean Core (AOC)



Hidden Level's RF sensors were recently installed on Saab's Autonomous Ocean Core platform. This demonstration showcased:

- Coordinated electronic warfare and ISR missions.
- Precision tracking of aerial and surface assets.
- Seamless integration with autonomous control systems.
- No degradation or corrosion after 8 months at sea.

## FIELD-TESTED AND TRUSTED IN THE MOST DEMANDING SETTINGS



NASA



# Hidden Level

[hiddenlevel.com](http://hiddenlevel.com)

Founded in 2018, Hidden Level delivers multi-function, passive radar and RF sensing solutions that form the backbone of next-gen airspace security. Our technology delivers long-range threat detection, coordinated response, and decision advantage—without compromise. Legally deployable and mission-proven, we protect critical infrastructure, support U.S. forces at home and abroad, and transform passive sensing into an indispensable national defense asset. Designed and manufactured in the USA. 🇺🇸