

CiMS™

DASHBOARD

Shift's Coastal Intelligence Management System (CiMS™) software provides our OceanSled® series hardware, along with other air, sea, and subsea platforms with enhanced maritime domain awareness, mission planning, and remote decision making. The sensor and vehicle agnostic platform can be deployed in a local field of operations, using advanced visualization techniques to clearly prioritize high value information. CiMS™ integrates multiple disparate sensors and vehicles —and is bandwidth aware, enabling computing on the edge and real-time remote viewing and operational input. The dashboard provides seamless integration and visualization of advanced sensor data to our operators.



KEY BENEFITS

- ✓ **ENHANCE COMMUNICATION AND REACT SWIFTLY:** Close the gap between incident and response, improve in-field communications, and react quickly
- ✓ **INTEGRATE CRITICAL COMPONENTS:** Including vehicle operator, c2 links, autonomous systems, and payloads
- ✓ **CONNECT YOUR SYSTEMS:** Link government systems, multiple payload types, commercial sensors, and multiple vehicles
- ✓ **MULTI-DOMAIN OPERATIONS PLATFORM:** Manage multi-domain mission operations platform for air, land sea
- ✓ **REMOTE SITUATIONAL AWARENESS**
- ✓ **MULTIPLE REMOTE VIEWERS:** via low latency video restreaming
- ✓ **BANDWIDTH AWARE:** intelligently adapting to iridium, 4G, and starlink

✓ **NETWORKING TECH:** Ethernet and other networking technologies

✓ **MULTIPLE DOMAINS:** Works across Air, Land, Marine, Subsea domains

SUMMARY

- Local and remote geofencing setup
- AIS and ADS-B input and display
- Secure authorization, intelligent data access
- ISR solution for multiple uncrewed assets
- Connects stakeholders, operators, and decision makers in real-time
- Closes the gap between knowledge and action
- Enables smarter decisions
- Combined data collection and logistics platforms at civilian price point

APPLICATIONS

- Marine Incident Management
- Infrastructure Monitoring
- Search and Rescue
- Environmental Monitoring
- Port Security
- Intelligence Surveillance Reconnaissance (ISR)

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HOW IT WORKS

- CiMS™ Dashboard operates in the cloud or on a hardened local device for off-grid support
- CiMS™-powered equipment can be connected via a software plugin—runs on Android, Windows, Linux, Mac

PRODUCT SPECS

COLLABORATION

Connects stakeholders, operators, and decision-makers in real time, facilitating strategic planning and coordination through the sharing of mission-critical data on a unified map.

OPERATIONAL PLANNING

CiMS integrates a multitude of real-time data types such as vessel telemetry, live video, and sensor data, allowing for highly adaptable maritime mission execution.

DATA VISUALIZATION

CiMS provides intuitive visualizations, including sensor grids, telemetry graphs, geolocation, headings for critical insights to enhance personnel safety and operational decision-making.

VIDEO STREAMING

Low-latency, encrypted video streaming from multiple assets simultaneously, with the capability to stream to our cloud-based CiMS dashboard for remote monitoring.

TURNKEY INSTALLATION AND SETUP

Modular micro-service architecture offers turnkey installation and setup for cloud-based and on-premises deployment options.

FLEXIBLE INTEGRATION

Provides secure RESTful API and WebSocket access for seamless integration with existing systems and infrastructure.

DATA SECURITY & INTEGRITY

CiMS employs military-grade cybersecurity measures to ensure the highest level of data protection and integrity. With end-to-end AES-256 encryption.