

OCIANA® is not a vessel tracking system.

It is an operational intelligence capability that identifies which vessels matter, explains why, and supports action.

In environments where identity is unreliable and signals are manipulated, OCIANA® enables operators to focus on behaviour, maintain attribution, and act with confidence.

About OCIANA®

OCIANA® is the maritime operational intelligence layer that turns volumes of maritime data into clear, explainable insight on vessel behaviour. It enables operators to detect threats earlier, determine intent, maintain attribution over time, and act with confidence in complex and ambiguous environments.

To learn more, visit gsts.ca.

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GSTS®

See What Matters. Act with Confidence.

Built for operators who don't have time to guess, OCIANA® delivers advanced detection of illicit activity, emphasizes operationally relevant behaviours, and enables timely, confident decision-making.



The Maritime Threat Challenge

Most maritime threats don't look like threats. They emerge through subtle patterns, hidden behaviours, and gaps across fragmented sources of information.

- ❗

Vessels disable, spoof, or manipulate AIS signals to hide in plain sight
- ❗

Analysts are forced to stitch together fragmented data under time pressure
- ❗

Smuggling, illegal fishing, and sanctions evasion exploit blind spots in maritime surveillance
- ❗

Identity deception obscures ownership, location, and operational intent
- ❗

Critical underwater infrastructure often operates with limited visibility and monitoring

Traditional systems collect data but don't explain behaviour. They show everything but prioritize nothing. And under pressure, that is where threats are missed.

OCIANA® Approach

OCIANA® delivers operational maritime intelligence, not just data. It identifies vessels exhibiting risk patterns and surfaces them for action. With OCIANA®, operators gain:

- Persistent behaviour analysis over time
- Detection of grey-zone and non-compliant vessel activity
- Identification of AIS anomalies and identity manipulation
- Correlation of vessel movements with subsea events
- Integrated investigation tools and activity playback
- Operator-defined mission rules and triggers

Rather than overwhelming operators with traffic, OCIANA® highlights suspicious behaviour, deceptive identity activity and operational risk indicators.

From Data to Operational Intelligence



Detect

Identify vessels exhibiting deceptive or high-risk behaviour.

- ✓ Dark vessels operating without AIS
- ✓ AIS spoofing and signal manipulation
- ✓ Identity deception and inconsistencies
- ✓ Unusual or high-risk routing patterns



Understand

Build a defensible understanding of activity over time.

- ✓ Behaviour pattern recognition
- ✓ Vessel identity intelligence
- ✓ Historical activity reconstruction



Act

Move from detection to decision without delay.

- ✓ Real-time operational alerts
- ✓ Mission monitoring and oversight
- ✓ Enforcement and response support
- ✓ Maritime investigations

Key Operational Use Cases

- ✓ Detect illicit maritime activity
- ✓ Expose sanctions evasion
- ✓ Support border enforcement
- ✓ Protect critical infrastructure
- ✓ Monitor Arctic and remote regions where visibility is limited

