



Event Alerting

Event Alerting delivers real-time notifications for custom maritime events, helping authorities and operators instantly detect and respond to critical vessel activities. By filtering routine traffic from potential threats, it enables faster, more precise decisions. With intelligent automation, it enhances situational awareness, supports proactive risk management, and strengthens maritime security.

From Situational Awareness to Action

Modern organizations gather extensive data from AIS, radar, GPS, and satellites, strengthening maritime situational awareness. However, turning awareness into actionable intelligence requires more than just tracking dots on a map, it demands intelligent anomaly detection to cut through the noise and focus on critical vessel activity.

Proactive Maritime Security

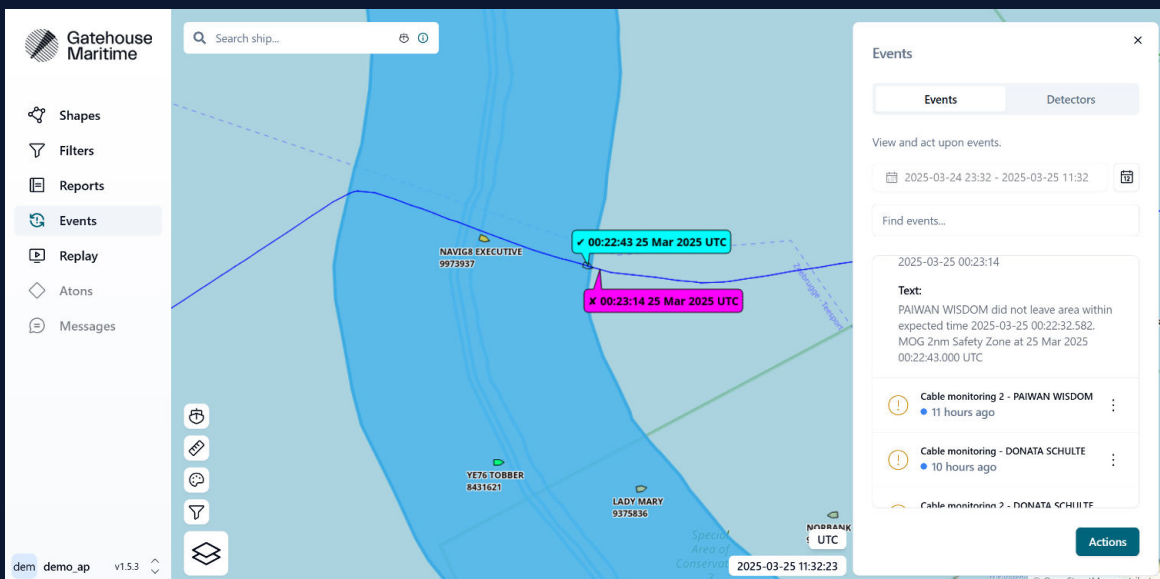
Event Alerting enables maritime authorities and operators to create intelligent geofences to detect unauthorized vessel movements, zone breaches, and suspicious activities such as vessel name changes, AIS configuration errors, unexpected anchor drops or other irregular behaviour. This enables a proactive approach to maritime safety, minimizing risks before they escalate.

Avoid Information Overload

Pinpoint and track high-risk vessels with precision by continually adjusting filters. By filtering out for example familiar vessels, such as supply chain ships and pilot boats, you can eliminate unnecessary alerts and focus on genuine threats. This targeted approach ensures that security personnel prioritize “objects of interest” that may pose operational risks, leading to a more effective and streamlined response.

Automated & Proactive Protection

Event Alerting sends instant alarms for critical vessel activities, like anchoring near assets or crossing restricted lines, enabling swift responses to threats and direct warning messaging for proactive protection.



Feature Highlights & Technical Details

Event Detector Types

- **Area Detector:** Triggered when vessels enter or exit a specified area.
- **Cable Detector:** Triggered by navigational status check, invalid AIS data, speed drop, drifting and exit checks, each with configurable severity and timing parameters.
- **Line Detector:** Triggered when a vessel crosses a user-defined line, enabling easy detection for lock entries, restricted channels, or pilot pickup areas.
- **Fishing Detector:** Triggered by fishing activity based on navigational status or speed-over-ground patterns within an area.

Event Detector Configurations

- **Severity:** Assign relevant note, warning, or alert level triggers.
- **Ship Warnings:** Message vessels directly – this requires permission and transmit capabilities.
- **Email & SMS:** Send alerts to relevant parties via e-mail or sms.
- **Timing & Direction Controls:** Define time delays before or after an event is triggered, and limit alerts based on vessel course angles.
- **Vessel Information & Activity Filters:** Filter on vessel information or activity such as name, draught, destination, or ETA changes.
- **Ship Lists:** Filter on a ship list with vessels to include or exclude from triggering the event alerting.

- **Event Visualization & Acknowledgment:** View triggered events on a map and mark them as acknowledged for efficient collaboration with colleagues.
- **Deactivation & Timeout:** Specify time thresholds for event activation, deactivation, and ignoring brief status changes.
- **Sharing & Collaboration:** Share detectors with specific groups to maintain consistent operations across teams.

Implementation

- **Maritime Domain Monitor:** Required for map-based visualization.
- **API Access:** For direct integration into existing systems.
- **On-Premises or Cloud-based:** Deploy on local servers or in a cloud-based environment, depending on organizational needs and security requirements.

Training & Support

Gatehouse Maritime works closely with clients to ensure smooth deployment and integration into existing workflows. Customers can expect:

- Tailored training sessions for operators and administrators
- Flexible support packages, ranging from email troubleshooting to 24/7 service
- Ongoing updates and enhancements

Ready to explore? Learn more, watch the demo, or try it out today.

Visit our website or reach out to dive further into our products or to have us set up a demo or trial.

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