

Gatehouse
Maritime

Protect Critical Maritime Infrastructure

Solutions for Subsea & Offshore Structures





Protecting Vital Infrastructure

Critical subsea and offshore infrastructure, cables, pipelines, offshore rigs, and wind farms form the backbone of global communication, energy distribution, and trade. Yet these essential assets increasingly face threats from natural events as well as deliberate human actions such as sabotage, illegal fishing, and unauthorized anchoring. As our dependence on these networks grows, the need for intelligent, robust protection that not only shields assets but also informs strategic decisions becomes indispensable.

Early warnings, Rapid response & Detailed Incident Insights

Gatehouse Maritime's Critical Infrastructure solutions cater to a broad spectrum of stakeholders.

Subsea cable and pipeline operators benefit from real-time monitoring and early warning systems that not only detect and mitigate potential threats, thereby preventing costly damage and downtime, but also enables the strategic planning of optimal structure

placement, reducing incident risks from the outset.

Offshore rig and wind farm owners rely on these tools to safeguard their installations from risks like collisions and unauthorized activities, ensuring operational continuity. Additionally, **legal and insurance professionals** utilize detailed incident analysis and reporting to streamline liability assessments and claims processes.

Gatehouse Maritime brings deep industry expertise and a proven track record of supplying subsea and offshore asset owners worldwide with the tools they need to establish best-in-class situational domain awareness. By leveraging advanced technologies such as predictive analytics and real-time data insights, we empower stakeholders to take proactive measures in protecting their critical infrastructure.

In short, our solutions reduce the risk of incidents affecting valuable and critical assets.

Your Benefits

Reduce Operational Risks & Downtime

Incidents can trigger significant disruptions and financial losses for operators and owners of subsea infrastructure. Our solutions offer continuous oversight of maritime activities along with automated threat detection and notifications. This proactive monitoring diminishes the probability of expensive repairs while ensuring smooth, uninterrupted operations, helping organizations avoid the cascading impacts of downtime.

Make Informed Decisions Faster

Delays in assessing and addressing maritime incidents may lead to prolonged operational setbacks and increased liability. By delivering actionable insights, our solutions enable stakeholders to quickly identify incident causes, evaluate risks, and implement preventive strategies. This responsiveness enhances operational efficiency and mitigates the financial strain associated with extended investigations or disputes.

Optimize Structural Placement & Design

Advanced tools such as detailed density reports, comprehensive overviews of fishing activities, and potential anchor site identification supply critical data for planning new structures. By mapping areas of varying maritime activity, operators can determine optimal locations for

subsea cables, pipelines, and other assets. This data-driven strategy ensures infrastructure is strategically placed away from high-risk zones, substantially reducing the probability of incidents and fostering long-term asset resilience.

Streamline Collaboration & Resource Allocation

Managing areas of interest often involves coordinating multiple stakeholders and processing vast amounts of data from diverse sources. Our solutions consolidate relevant information into a single, accessible platform, simplifying collaboration. This integration facilitates more efficient resource allocation and decision-making, ensuring that high-risk situations are prioritized appropriately, ultimately leading to cost savings and improved operational efficiency.

Enhance Proactive Threat Mitigation

Maritime threats, such as unauthorized anchoring or fishing, can inflict severe damage to critical infrastructure. Leveraging predictive analytics and real-time monitoring, our solutions identify potential risks before they escalate into costly incidents. By detecting anomalies and unusual activities early, operators can implement preventive measures, reducing the probability of infrastructure damage and ensuring long-term operational reliability.





Solutions for Monitoring & Protection Of Critical Maritime Infrastructure

Gatehouse Maritime offers solutions tailored to address specific operational requirements and user priorities. Whether you need essential tools for day-to-day monitoring, enhanced capabilities for detailed reporting, or comprehensive oversight for managing complex maritime zones, our solutions are built to align with your unique assignments and objectives.

Real-Time Monitoring

Includes products

- **Maritime Domain Monitor**
- **Event Alerting**
- **Extended Vessel Information**

Real-Time Monitoring provides continuous surveillance, automated alerts, and vessel activity insights to detect potential risks early and prevent damage.

Real-Time Monitoring & Reporting

Includes products

- **Maritime Domain Monitor**
- **Event Alerting**
- **Extended Vessel Information**
- **Replay & Reporting**

Real-Time Monitoring & Reporting delivers detailed event reconstruction, historical data analysis, and automated reporting, providing clear evidence for investigations and operational improvements.

Real-Time Monitoring & Reporting (Network Management)

Includes products

- **Maritime Domain Monitor**
- **Event Alerting**
- **Extended Vessel Information**
- **Replay & Reporting**
- **Aids To Navigation (AtoN)**
- **AIS Network Monitoring**

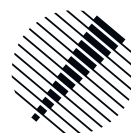
Real-Time Monitoring & Reporting (Network Management) combines real-time tracking, network monitoring, and AtoN management to optimize navigation, prevent disruptions, and enhance coordination.



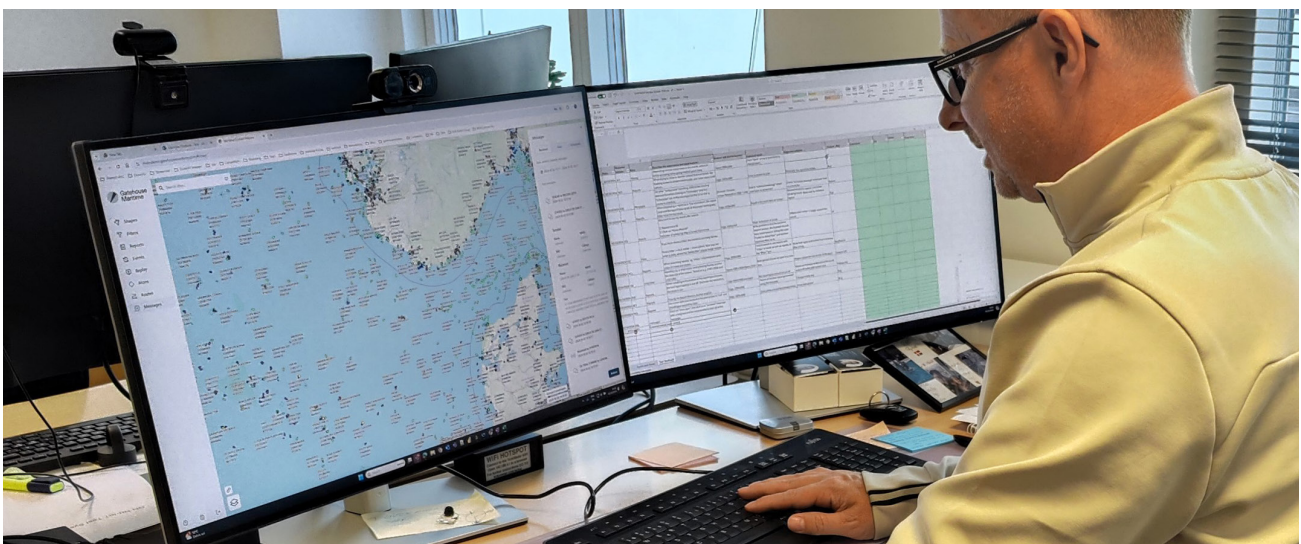
From Onboarding To Optimization

We ensure our solutions are not only easy to implement but also consistently meet the evolving demands of our users, empowering them to operate efficiently and effectively in complex maritime environments.

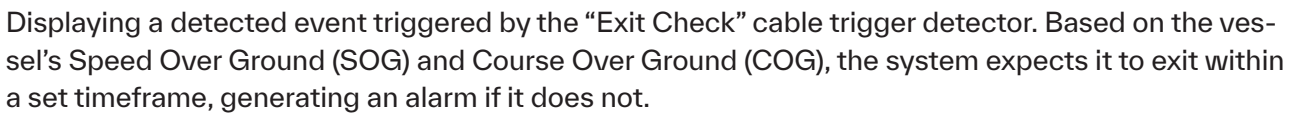
- Personalized onboarding and operator training to ensure a smooth transition and effective system adoption.
- Tailored sessions for superusers, equipping them with the skills to maximize the system's potential.
- Prompt resolution of operator questions during onboarding to ensure full system usability and high efficiency from day one.
- Focused assistance to address technical questions and facilitate smooth integration with existing workflows.
- Active management of reported issues to maintain system reliability, operational efficiency, and user satisfaction
- A dedicated feedback channel that empowers users to shape future features, ensuring our solutions evolve to deliver even more value in your daily work
- Access to support resources and tools.



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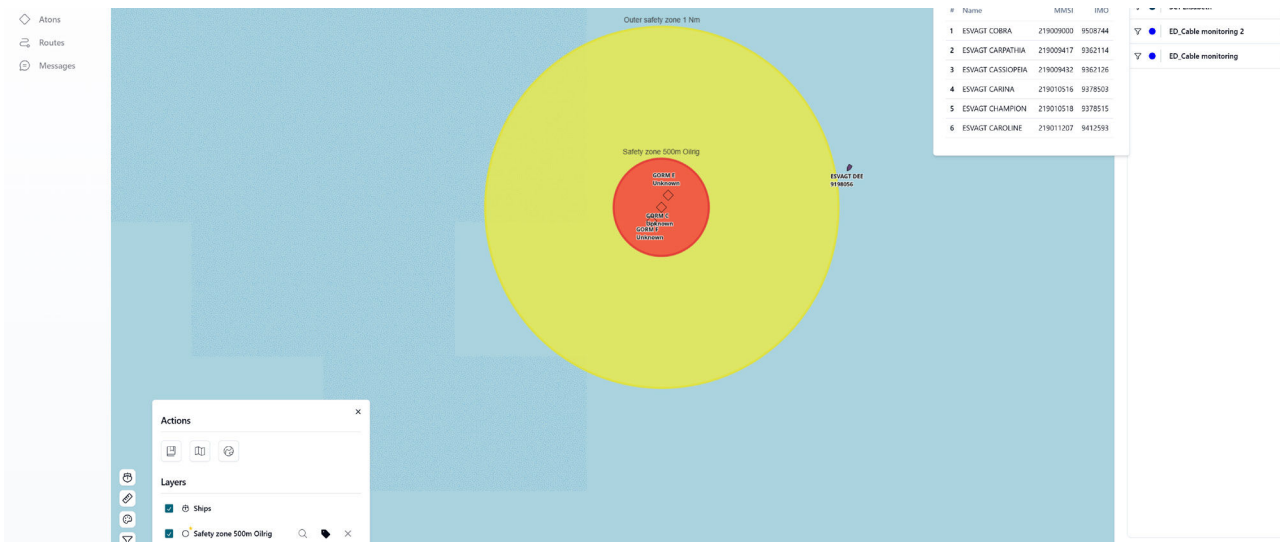


Visualizing three cables and a 2 Nautical Miles (NM) safety zone.



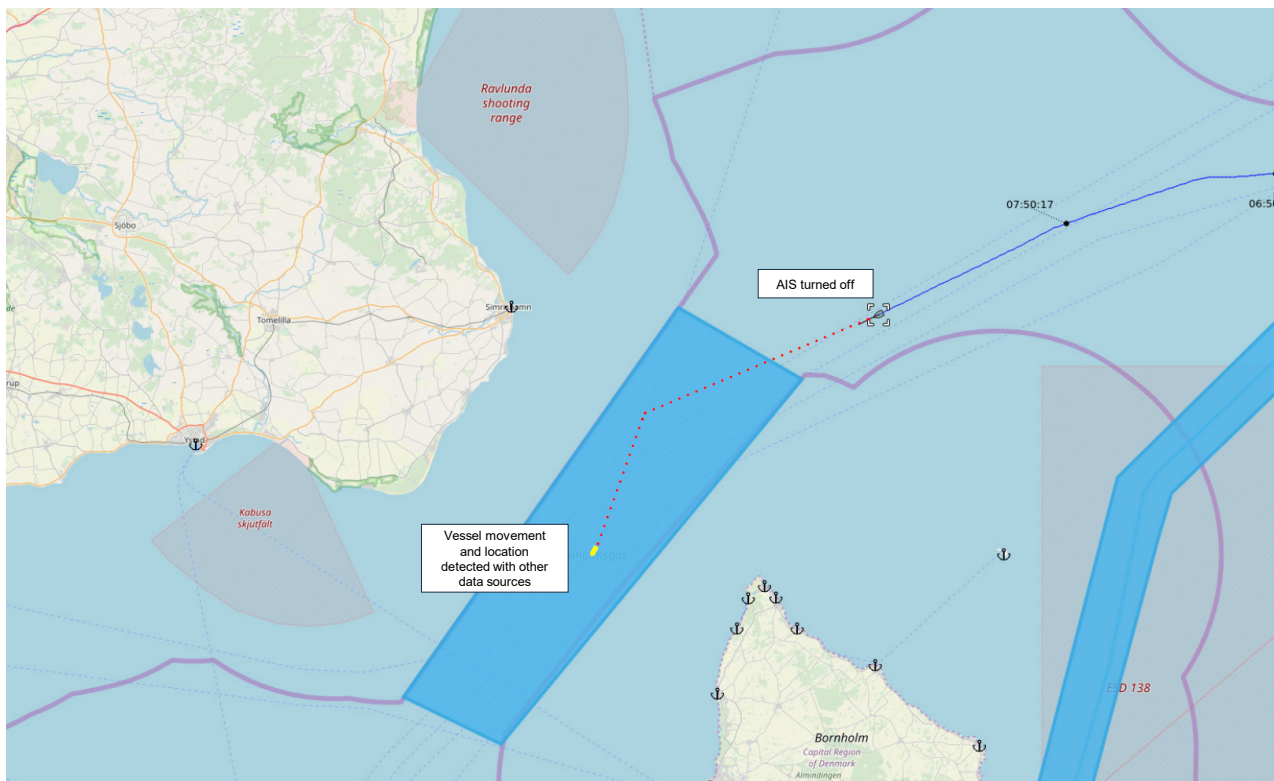
Working with shiplists

The Shiplist can serve as a whitelist to exclude specific vessels from triggering events. Here, we see a list of guard ships and two labeled geofences.



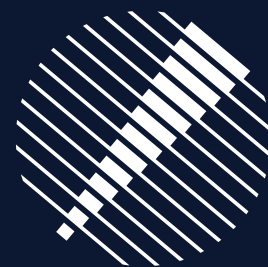
Real-time Alerts using Multiple Types of Data Sources

Leveraging multiple data sources to trigger real-time alerts, ensuring that maritime security teams remain informed even when AIS is turned off.



Stay ahead of threats with proactive monitoring of your critical infrastructure.

**Contact us today for a
consultation or trial**



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Version 1.0 March 2025