

Live webinar | September 2024



Agenda

- Welcome and introductions
- Today's theme: Maritime Asset Protection in 3 acts.
- Proactive: Optimizing the planning of any subsea or offshore asset.
- Real-Time: 24/7 real-time protection of critical, maritime infrastructure.
- · Reactive: Gathering evidence if an incident occurs.
- Key take aways
- Q & A session

Presenters



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We are Gatehouse Maritime

- Delivering maritime safety and domain awareness for +25 years.
- Offices in Nørresundby, Denmark and in Tampa, Florida.
- Our customers range from private companies to governmental/defense agencies and authorities.
- Experts in Maritime Domain Awareness and Protection of Critical Maritime Infrastructure.
- Most of our software products can be accessed through our own visualization platform – Maritime Domain Monitor. Many can also be delivered through an API into your existing systems.





















Today's Theme: Safeguarding critical maritime infrastructure

PROACTIVE

You are in charge of planning the deployment of a subsea cable or an offshore rig – your challenge is to find the best suitable and safest location.

REAL-TIME

You want to minimize the risk of damage to an existing cable, pipeline or rig. How do you do that?

REACTIVE

Your cable has been damaged. It's costly in any way imaginable. You want to find evidence of who and what caused the damage to take legal actions.

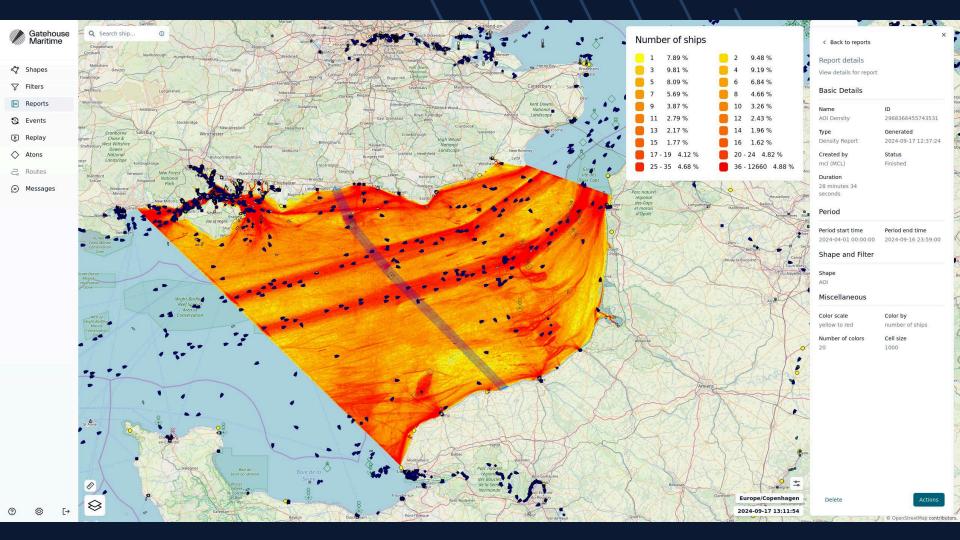


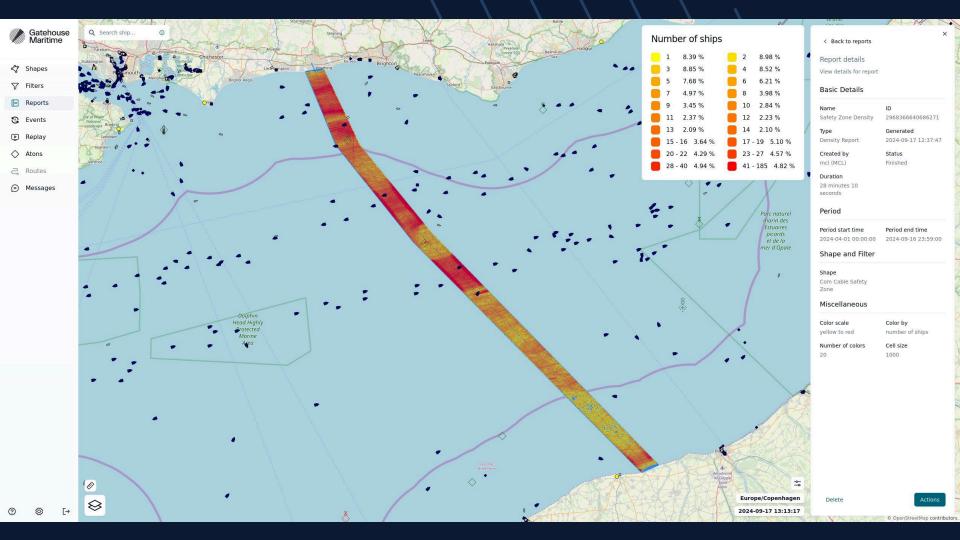
Proactive Measures

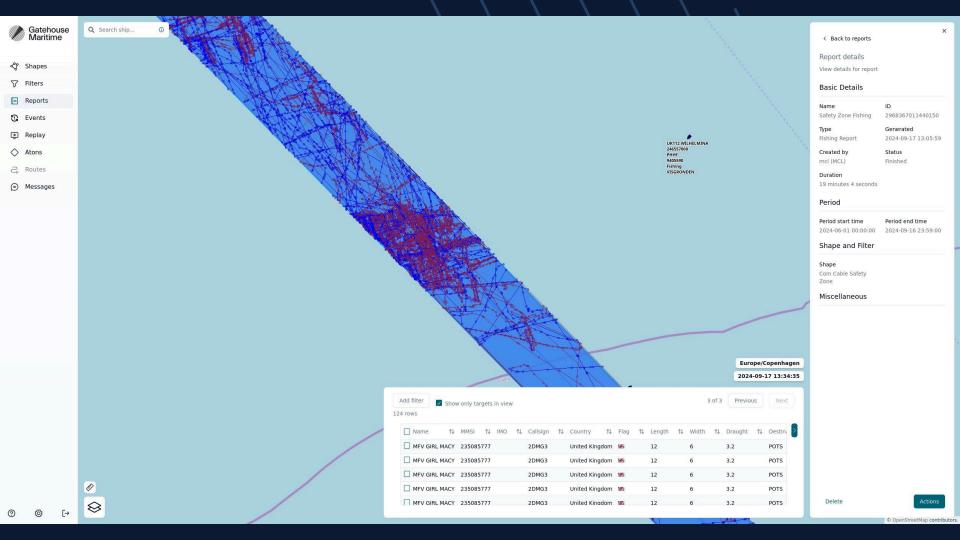
Typical challenges

- How can I minimize future risks to offshore structures in the planning phase?
- I need to get a clear picture of vessel movements and potential dangers in the area, that we are planning to place the cable, pipeline or rig.
- I need visualized and comprehensive movement and behavioural illustrations to be added into our reports.
- I need a preliminary risk assessment.









Real-time Protection

Typical challenges

- I need to monitor and protect a subsea cable or pipeline to minimize the risk of damage.
- I want real warnings only when for example a vessel is fishing on top of a cable.
- Millions of people will be affected if my offshore wind farm or oil rig are damaged. I need a series of warnings around these structures with increasing severity.
- I need warnings sent to my team AND to the vessel, that's a threat to my assets.
- My insurance company demands that I take measures to minimize the risk of damage to my assets.

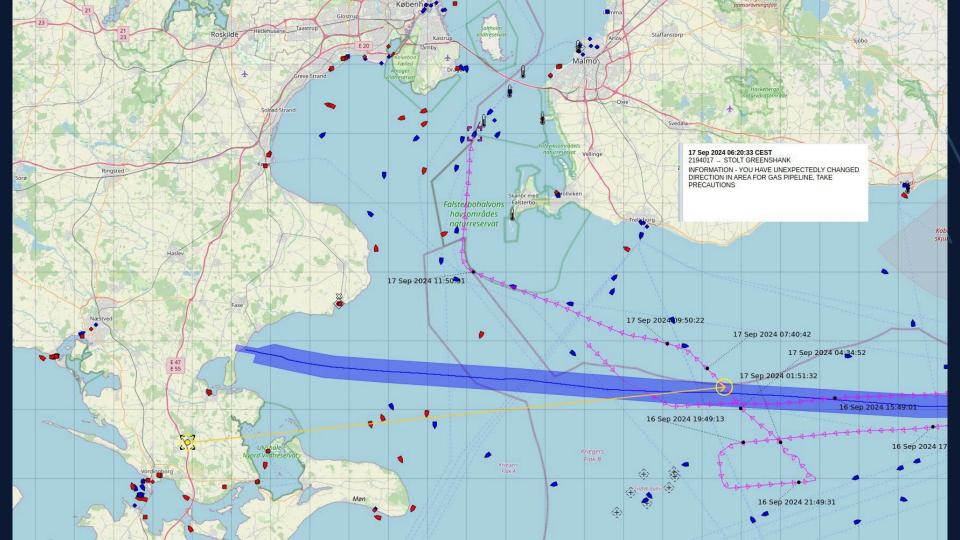
Real-time protection – In action

- Defining geofences and rules
- System operators are automatically notified when vessels posing a threat enter defined area.
- Rules can be associated with the protection zones, helping ensure that only the vessels of interest trigger the alarm.





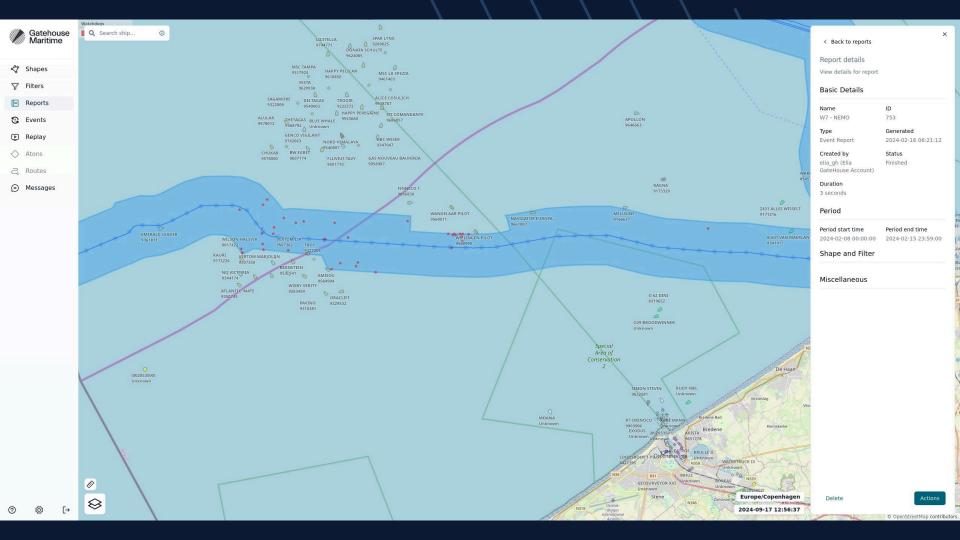


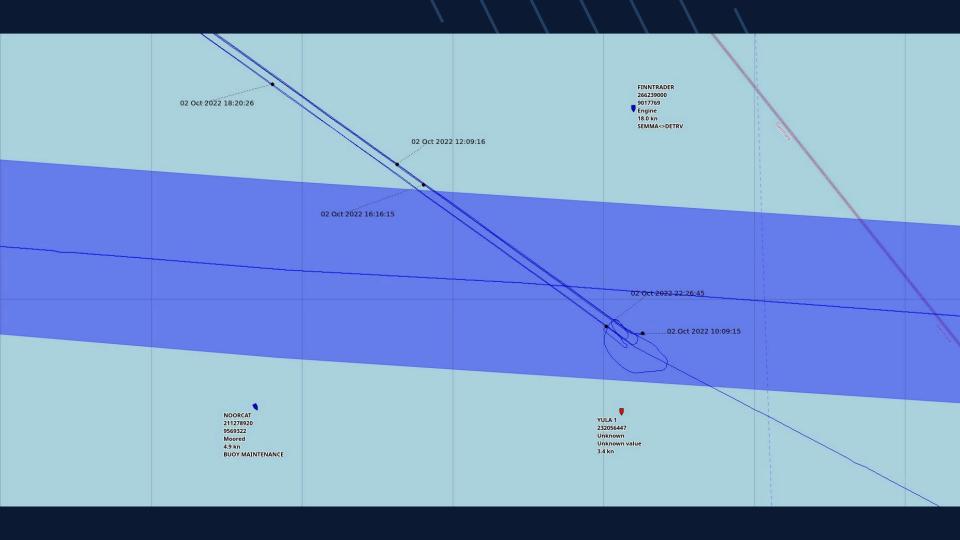


Reactive Measures

Typical challenges after an accident damaging infrastructure

- Our cable, pipeline or offshore structure has been damaged, and the need to find out what happened?
- I need clear evidence of the accident that I can bring to legal procedures.
- I need information on similar incidents or near-misses in the vicinity to take reactive measures.
- I need to avoid accidents in the future how do I ensure that?







Key Takeaways

PROACTIVE MEASURES

- Density plots showing ships patterns and historical tracks help you identify locations of safe passage.
- Your analysis can be exported in PDF or another relevant format ready to share.

PROTECTION IN REAL-TIME

- Geofences around your subsea or offshore assets triggers automatic alarms with various severity.
- Detection of patterns and anomalies in real-time provides proactive and action-oriented risk management.

IF ACCIDENTS HAPPEN

- The Gatehouse Maritime system allows asset owners and authorities to record and replay incidents.
- Comprehensive analysis tools are available to document incidents to be used in court.



Thank you for participating

Want a demonstration or do you have a question? Please reach out to one of our Maritime Advisors.



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