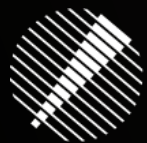# Exposing Maritime Threats

Preventing Subsea Cable Damage
and Dark Fleet Intrusions

Live webinar | March 2025

Gatehouse
Maritime

Today's Agenda

Presenters

- **Welcome to Gatehouse Maritime**

- **One platform covering the entire maritime domain**

- **The current, maritime threat landscape**

- **Cases & Demonstrations:**

  - Rendezvous – Expose criminal intent

  - Shedding light on the Dark Fleet

  - AIS turned off – other data sources

- **Detect, Investigate, Act and Prevent**
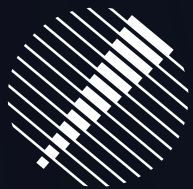
- **Key takeaways**

- **Q & A session**

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We are

Gatehouse Maritime

Trusted technology provider aiding governments and organizations in the monitoring and protection of maritime critical infrastructure and national waters.

+25 years of experience providing safety and visibility to the maritime community
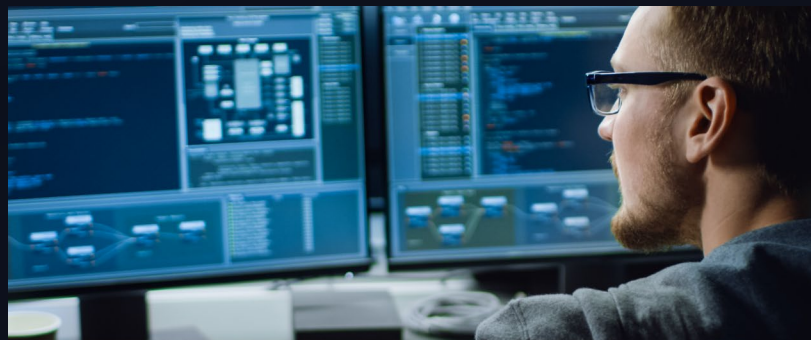
Market leading experts in visualization of advanced data streams giving optimal overview of critical scenarios

Trusted and praised by Maritime Guardians Worldwide for our reliability and quality of data.

gatehousemaritime.com

Trusted by
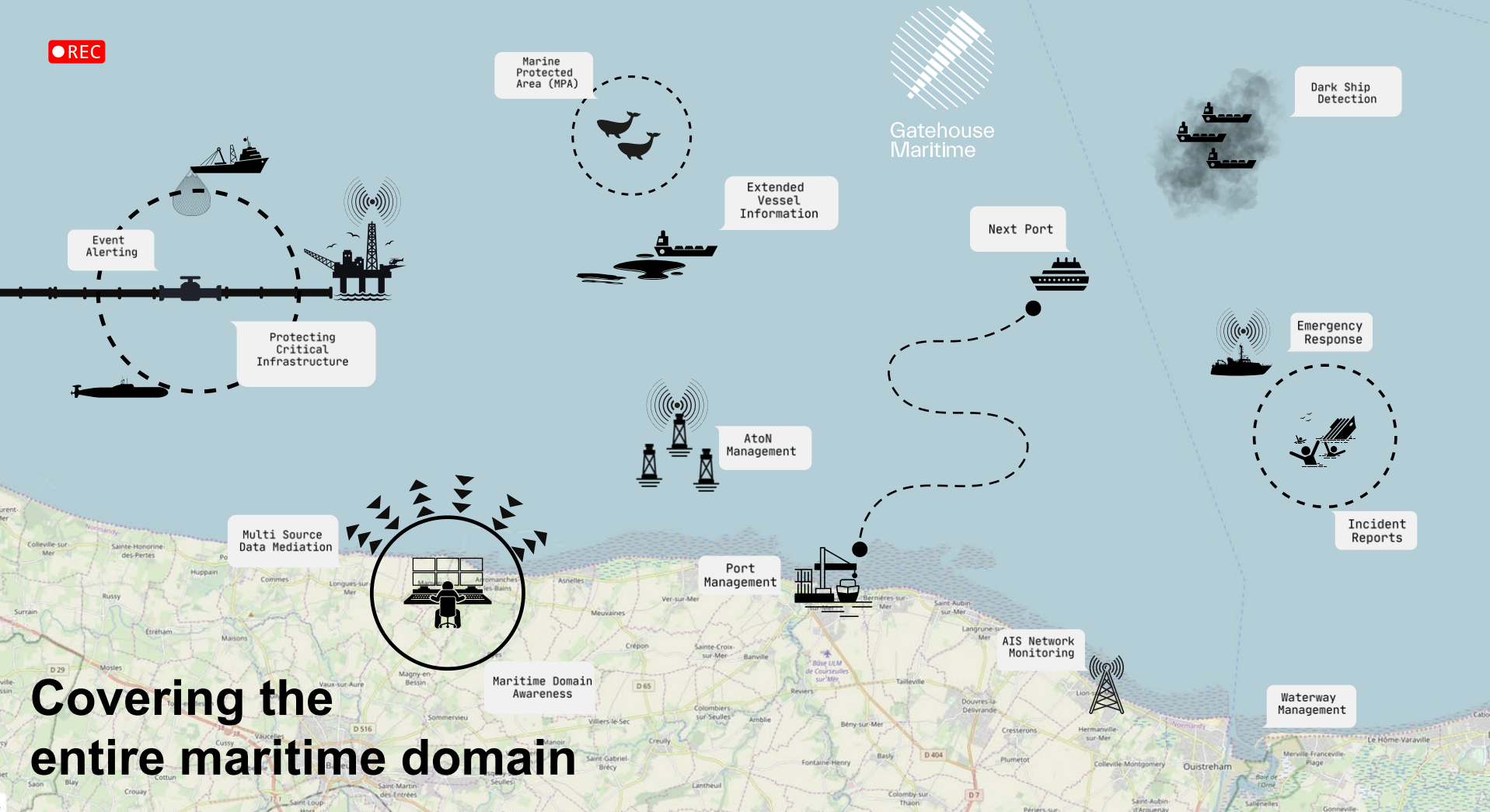
Covering the
entire maritime domain

Current Maritime Threat Landscape

- Increasing incidents of subsea cable damage and sabotage.

- Suspicious vessels surveilling critical maritime infrastructure.

- Dark Fleet ships infiltrating EEZs and seeking port entry.

- Rising smuggling and illicit maritime activities.

- Vessels going dark – disabling AIS to evade detection.

The EU action plan

The Joint Communication has four objectives

Prevention
To reduce the number and impact of disruptive incidents and make it more difficult for any malicious actor to put the security of the Union at risk.

Key actions

Stepping up security requirements and risk assessments on submarine cables and prioritising funding into the deployment of new and smart cables allowing to increase redundancies and therefore resilience.

Detection
Rapid and real-time detection has proven to be one of the foundations to counter sabotage against submarine cables.

Key actions

Enhancing threat-monitoring capabilities per sea basin to build a comprehensive situational picture and allow earlier alerts and responses.

Response and Recovery
Reducing time to respond and repair will strength resilience and act as deterrence.

Key actions

Improving the efficiency of the EU-level crisis framework for swift action on incidents impacting submarine cables and establishing an EU Cable Vessels Reserve to shorten the time to repair damaged cables.

Deterrence
The EU intends to raise costs on the side of malicious actors, with tools to qualify, prove, attribute formally and sanction sabotaging actions.
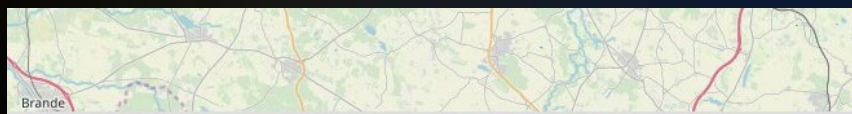
Key actions

Enforcing sanctions and diplomatic measures against hostile actors and the 'shadow fleet', making full use of the Hybrid Toolbox to address hybrid campaigns, and fostering 'cable diplomacy' with global partners.

https://digital-strategy.ec.europa.eu/en/factpages/joint-communication-strengthen-security-and-resilience-submarine-cables

Use Case Demonstrations

- Detection of dark fleets through extended vessel data.

- If AIS is turned off – what then?

- Using multiple data sources to gather resilient intelligence.

- Using real-time alerts to intercept potential threats.

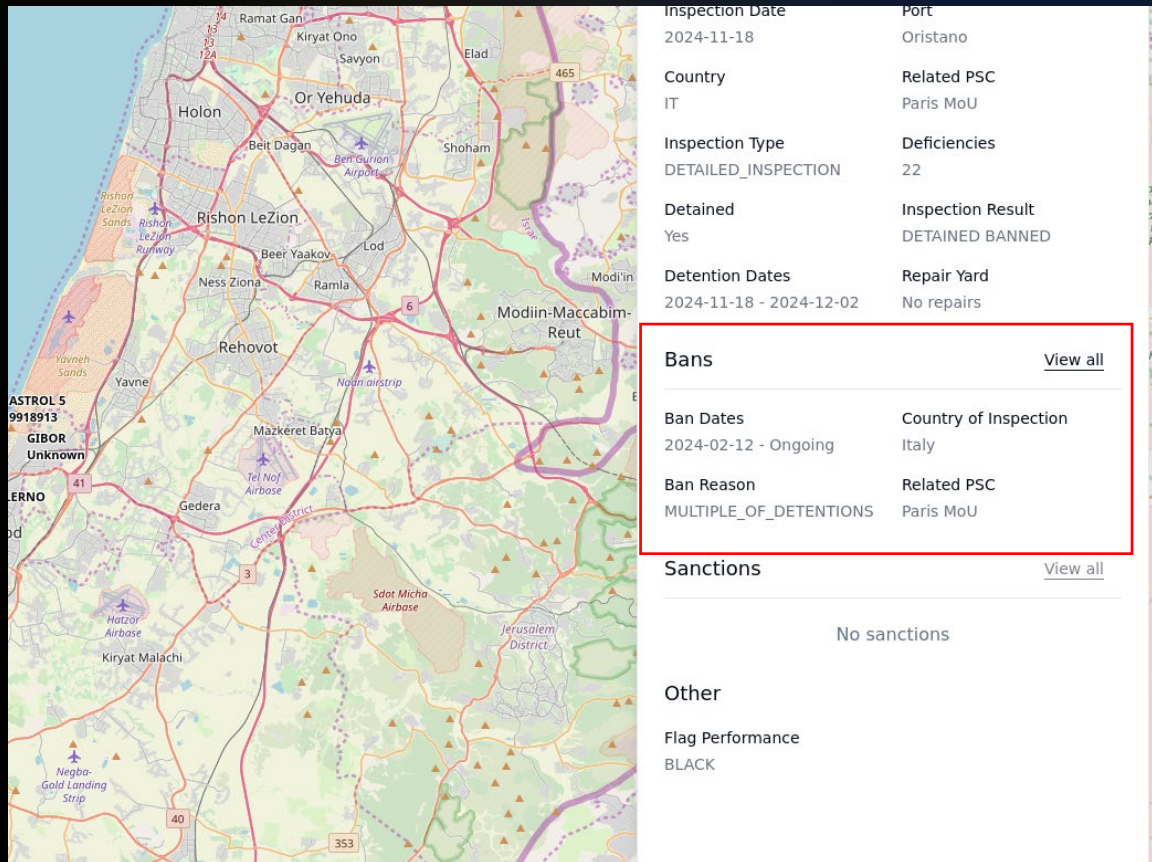- Analysis of rendezvous cases in restricted zones.

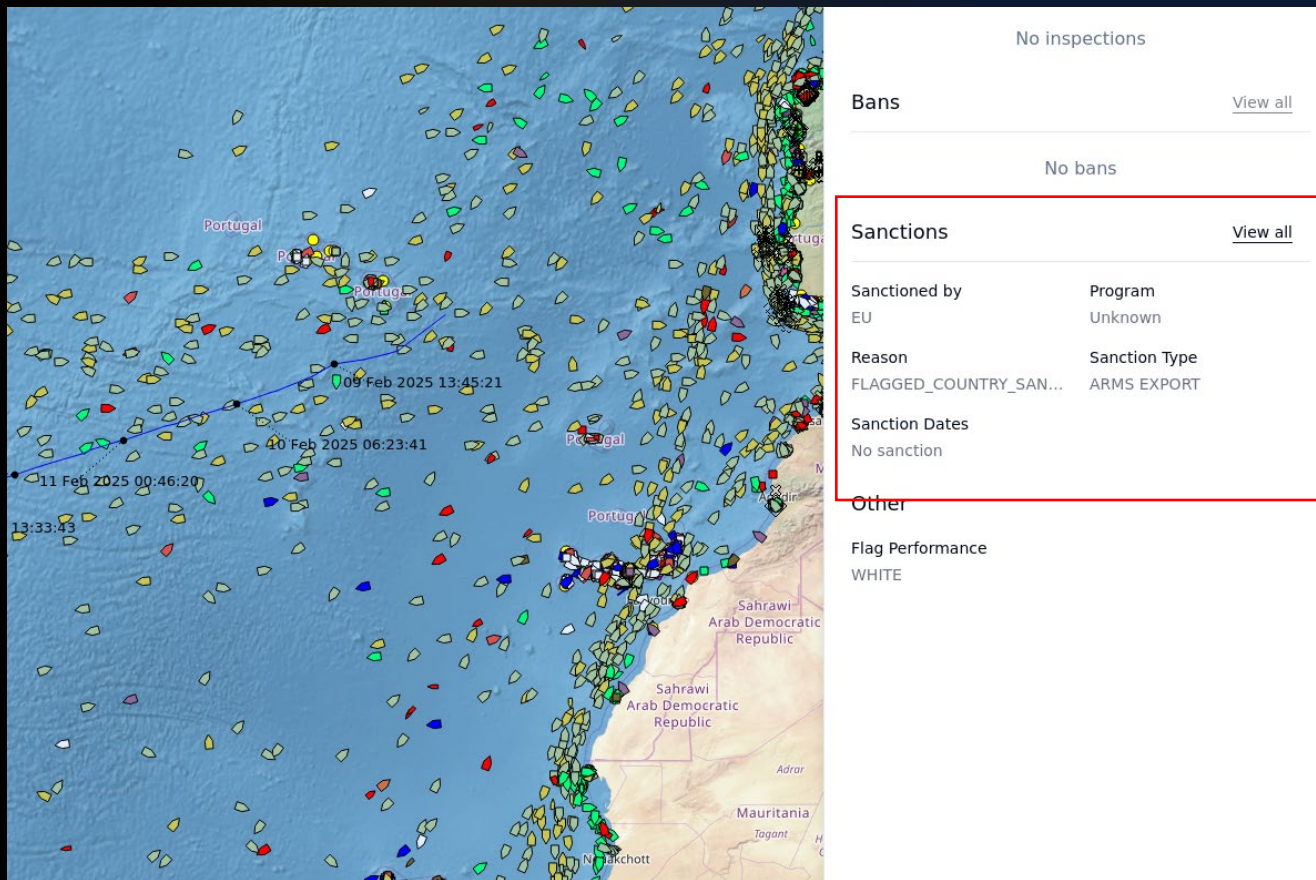# Shedding light on the Dark Fleet – Flag Switching

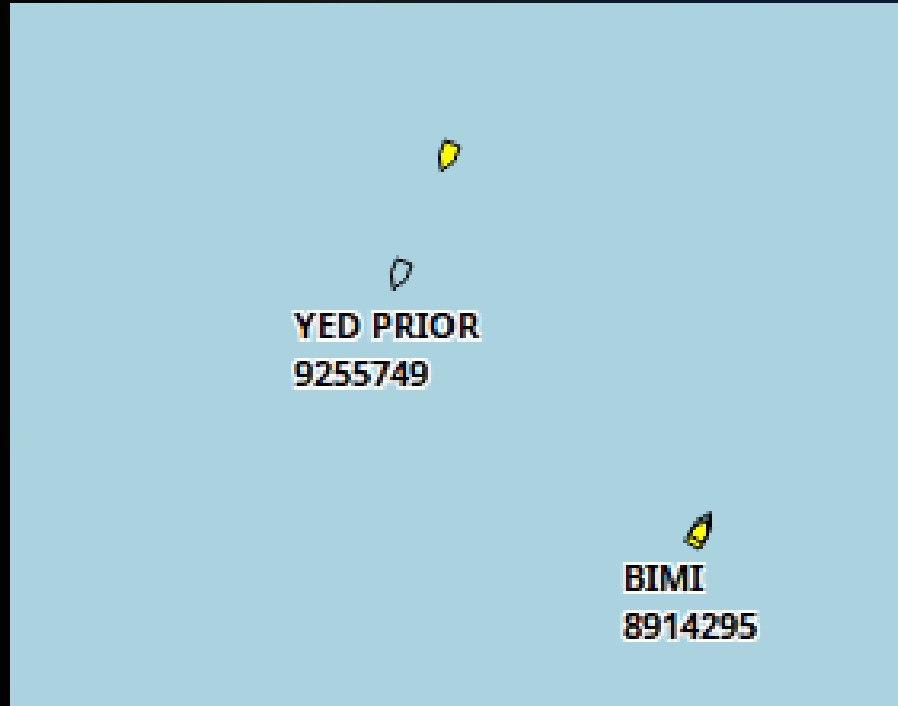| imo	prev_mmsi	new_mmsi	prev_country	new_country	switch_time
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9309289	710006297	210346000	Brazil	Cyprus	2024-08-09 02:08:00
9347085	352980769	304928000	Panama	Antigua and Barbuda	2024-08-09 02:19:02
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9657765	258672000	725005178	Norway	Chile	2024-08-09 03:33:46
9353113	626320000	677020400	Gabon	Tanzania, United Republic of	2024-08-09 04:14:56
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8928480	577031000	268241601	Vanuatu	San Marino	2024-08-09 06:14:50
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MMSI_FLAG_SWITCHING - MMSI_FLAG_SWITCHING (31 Jul 2024 22:00 UTC - 07 Oct 2024 21:59 UTC)

Shedding light on the Dark Fleet – Banned or not?

Inspection Date
2024-11-18

Port
Oristano

Country
IT

Related PSC
Paris MoU

Inspection Type
DETAILED_INSPECTION

Deficiencies
22

Detained
Yes

Inspection Result
DETAINED BANNED

Detention Dates
2024-11-18 - 2024-12-02

Repair Yard
No repairs

Bans   View all

Ban Dates
2024-02-12 - Ongoing

Country of Inspection
Italy

Ban Reason
MULTIPLE_OF_DETENTIONS

Related PSC
Paris MoU

Sanctions   View all

No sanctions

Other

Flag Performance
BLACK

Shedding light on the Dark Fleet – Sanctioned

Dark ships – What happens if AIS is turned off?

Real-time alerts using multiple types of datasources
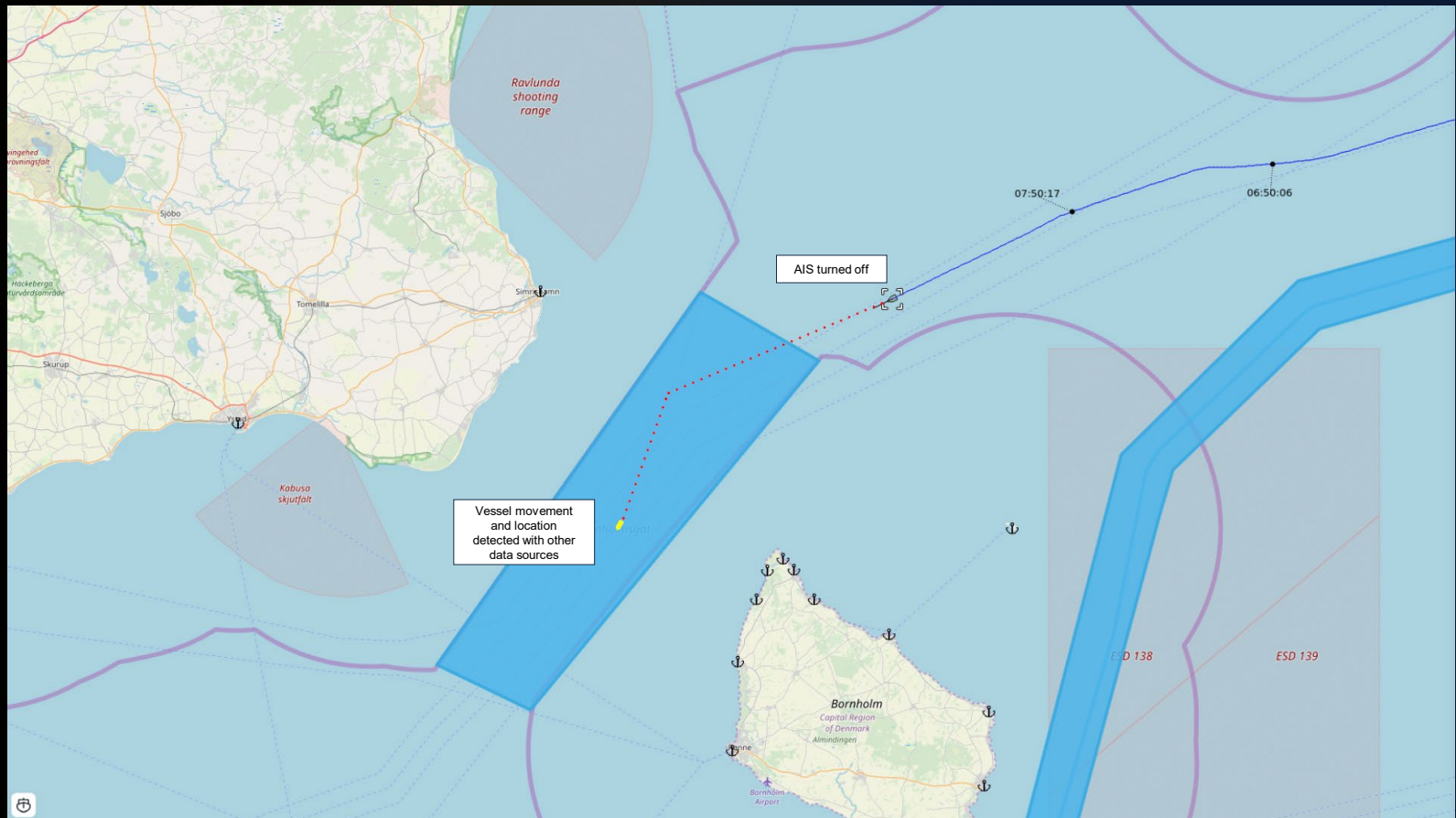
Use pattern detection and event alerting to minimize risks

Rendezvous – Expose potential criminal intent

Blue data set: Dutch fishing trawler waiting for hours in the night

See full video of this feature in the webinar
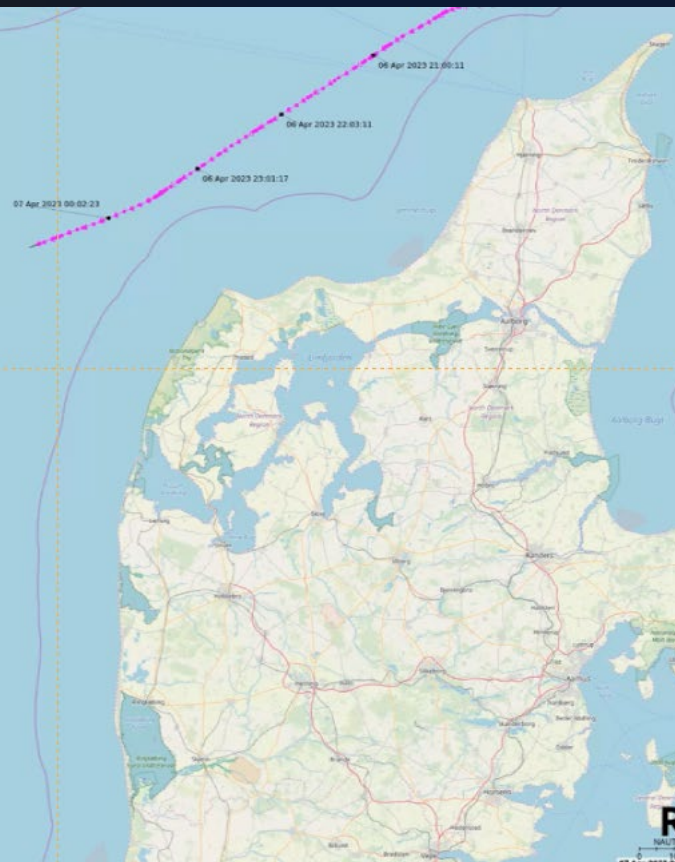
Detect, Investigate, Act & Prevent

Utilizing advanced AIS tracking and anomaly detection to **detect** suspicious behavior

Leveraging the Extended Vessel Information tool to **investigate** and uncover the story behind suspicious vessels
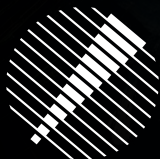
Implementing real-time event detection for **immediate responses**

Proactive strategies for **long-term threat mitigation** and security improvement

Key Takeaways

- A demand for increased maritime monitor and protection

- The importance of identifying and monitoring dark fleet activities

- The significance of anomaly detection in maritime security

- Best practices for using extended vessel information to assets risks

- How to act on real-time alerts to prevent threats and protect national waters

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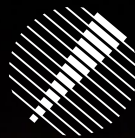
Thank you for participating

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

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Call: +45 311 464 95

Jacob Brosbøl
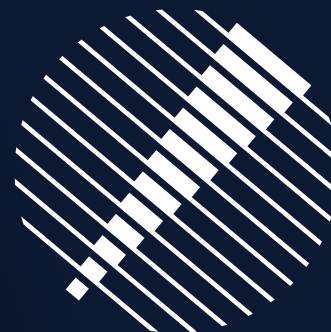*Commercial Director*
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