

Mainstay Geolocation

Get clear insight into vessel movements and location-based risks with Mainstay Geolocation. As a fully integrated, expansion module, Geolocation helps you detect suspicious activity, review performance and support confident decisions across your assurance workflows.



Better Understand Vessel Movements. Better Detect Risk.

The last port of call is just part of the picture. A vessel's full movement history matters when making smart chartering, vetting and operational calls.

Stay focused on what counts and alerted to what matters with Geolocation:



Vessel Stops

Identify when a vessel remains stationary beyond a set threshold, with stops displayed to highlight key operational patterns.



Adhoc Zones

Create and manage zones of interest to focus on the regions and behaviours that matter to your operation.



Dark Activity Alerts

Automatically detect loss of AIS signal and highlight events that may indicate concealment or non-compliance.



Navigation History

Review port calls, zone entries and full voyage tracks – all visible in the vessel record.



STS Monitoring

Track ship-to-ship transfers with supporting context, including vessel IDs and timestamps.



Environmental Insight

Monitor carbon grades, model voyage outcomes and see when vessels enter ECAs.

420 million

AIS messages processes per day

30,776

location zones tracked

11,000

STS detected in 2024

600,000

vessels tracked



From Movement Data to Operational Insight

Data Ingestion

Geolocation continuously receives vessel movement data from global AIS feeds.

Pattern Recognition

Mainstay Geolocation identifies behaviours such as dark activity, STS events and entries into monitored zones.

Event Flagging

Relevant events are flagged within the vessel's record, complete with supporting detail and timelines.

Continuous Monitoring

The system keeps working in the background, so you always have access to the latest movement data when reviewing a vessel.

Why Teams Trust Mainstay Geolocation

Embedded Where You Work

No extra systems or switching screens – insights appear within your existing workflows.

Built for Clarity

Movement patterns are clearly flagged and explained, so you can act with confidence.

Customisable to You

Monitor the zones, vessel types and events that align with your policies and risk thresholds.

Part of a Bigger Picture

Embedded in the Mainstay platform, every Geolocation insight feeds into your wider marine risk intelligence, building a single, unified view of marine assurance.

Mainstay Geolocation is designed to help you detect, assess and respond to location-based risk – quickly and confidently.

Visit the Geolocation page to explore full feature details or request a guided tour.



mainstay@mismarine.com



mismarine.com/geolocation

