



YOUR GLOBAL PLATFORM FOR SHIP TO SHORE OPTIMISATION

As a ship manager or operator, navigating the vast expanse of the ocean requires strategic planning and real-time decision-making. Leveraging an advanced technology platform like **GSTS' OCIANA®**, ship managers, ship operators and other operational stakeholders can enjoy the benefits of a revolutionary ship-to-shore portal and much more.

OCIANA® offers a wide range of features:

ETA Prediction

- Provides the most accurate long-horizon, multi-stop ETA predictions for liners and tramp vessels
- Enables users to form independent assessment on vessel reliability towards port, enabling JIT arrivals and operations streamlining

Voyage Report

- Facilitates dynamic voyage monitoring to calculate how the voyage is progressing vis-a-vis performance obligations to the charter party
- Independent reports with historic and real-time data on ship movements and environmental factors that affect the voyage offering weather and performance data at configurable intervals - actual data can be exported at any time

Collaborative Berth Scheduler

- A unique ship-to-port interface that facilitates the collaboration between vessels, ports, port services and authorities (e.g., pilotage services, harbour masters etc.), providing real-time information on vessel movements, berthing options, and potential delays
- Minimizes time at anchorage and empowers ships to optimise their steaming speeds, ensuring timely arrivals based on berth availability

Enhanced Pre-Arrival Notifications

- Smart forms which facilitate vessels to submit pre-arrival reports in a direct interface with the port, eliminating paperwork and reducing excessive emails

Real-Time Analytics

- Ability to view real-time data on port congestion, turnaround time at berth, number of vessels at anchor and probability of anchorage and berth availability at the requested time

Intelligent Geofencing

- Configurable geofences, enhanced with machine learning, deliver a high accuracy timeline and enhanced predictability into a vessel's location and planned passage

Vessel Moving Haven

- Allows an operator to monitor a region in a similar manner as a geofence
- Facilitates enablement of alerts for vessels based on speed, if a vessel goes dark, and perimeter entry and exit
- Designed to track a vessel's movement along its path, including when it may not be sending AIS messages, or not at the frequency desired for updated movements

Fleet Analytics

- Capability to store information for individual vessels, fleets, bespoke groups and ability to benchmark with other fleets and/or vessels outside of fleet using filter and search – data points include GHG emissions, vessel trade routes, port calls, tonnage in specific locations etc

And More....

Key Differentiators

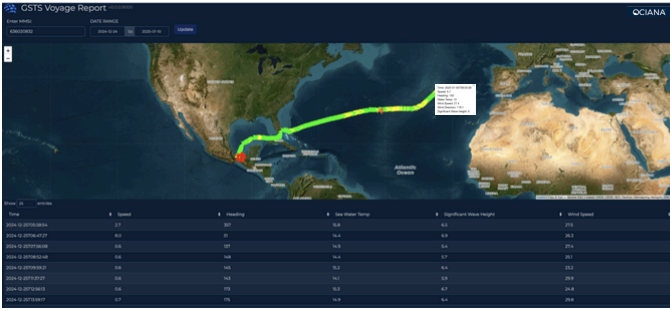
OCIANA® is a unique, third-party independently owned platform with no affiliation to existing ship owners and ports or any other regulatory body. OCIANA® primarily exists as a cloud-based, web-based SaaS platform which offers unparalleled capabilities such as:

- ★ Agility and responsiveness to dynamic environments and configurability to meet customer requests
- ★ Seamless vessel tracking and historical route records (per voyage and/or between dates)
- ★ Identification of risky behaviour based on factors such as port visit history, open ocean rendezvous, and unnatural vessel behaviour
- ★ Integration and augmentation to existing in-house systems via API
- ★ Data insights based on near real-time AIS data and provision for additional position tracking through satellite access for enhanced accuracy and availability
- ★ Dashboard view for entire fleet including destination port, self-reported ETAs, and ETA predictions
- ★ Monitoring and reporting of GHG emissions for your fleet and fleet/vessel benchmarking
- ★ Real-time notifications and alerts, including deviations from pre-determined check points, speed violations and other potential compliance issues

Benefits of OCIANA®

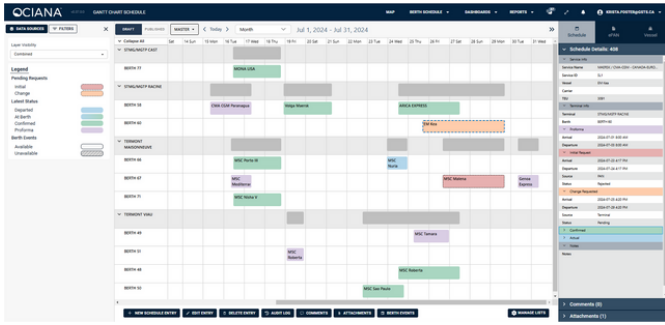
GSTS has a long and successful history in satellite surveillance, monitoring and big data analytics. Its proprietary platform, **OCIANA®** is powered by innovative AI algorithms that facilitate organisations to enjoy significant **benefits**:

- Achieve savings in time, resources and effort by streamlining information related to sensitive operations such as port arrivals and departures through a truly collaborative platform
- Improve productivity and eliminate operational errors from traditional manual processes involving multiple stakeholder touchpoints
- Ensure your voyage performance compliance against your charter party
- Enjoy ease-of-mind by enabling smart alerts and prompt notifications
- Timely adjustments of port operations and events with accurate ETA and ETD predictions
- Enhanced awareness of GHG emissions and positioning against similar fleets/vessels with fleet analytics and global benchmarking capabilities
- Empower your chartering department by having access to vessel and cargo movements on a global scale

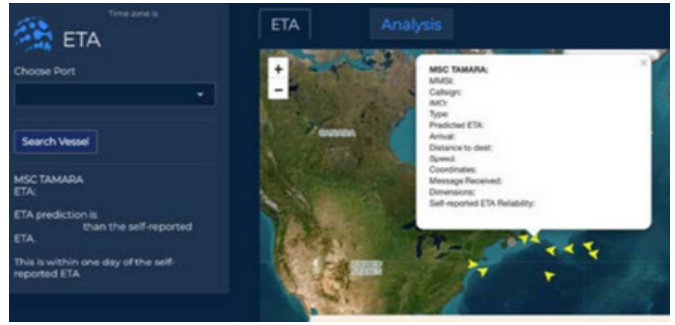


Voyage Report

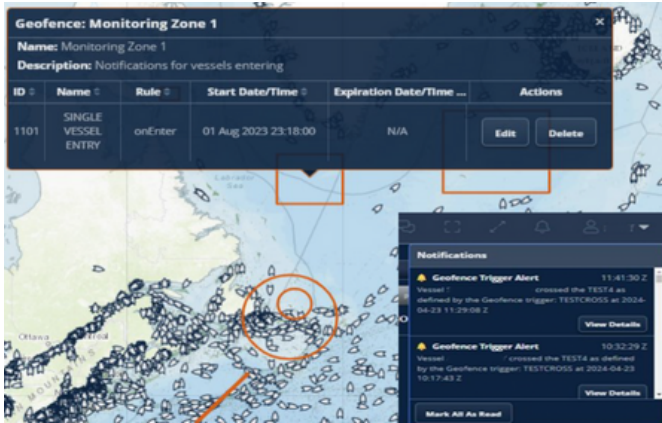
Enhanced Pre-arrival Notifications



Gantt Chart



ETA Prediction



Intelligent Geofencing



Real-time Analytics

Contact GSTS for more information: sales@gsts.ca