OCIANA® 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

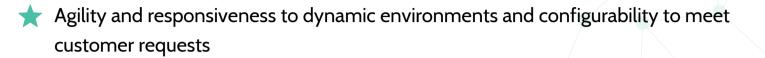
• Capability to store information for individual vessels, fleets, bespoke groups and ability to benchmark with other fleets and/or vessels outside of fleet using filter and search – data points include GHG emissions, vessel trade routes, port calls, tonnage in specific locations etc



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:



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

The systems via API Integration and augmentation to existing in-house systems via API

The 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





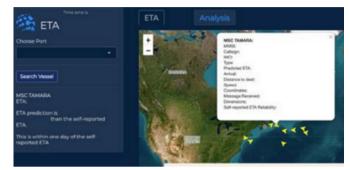
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Voyage Report

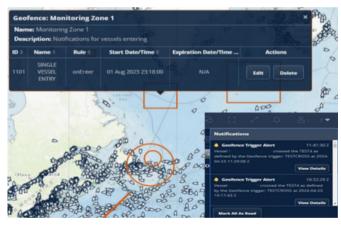


Gantt Chart

Enhanced Pre-arrival Notifications







Intelligent Geofencing

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Real-time Analytics

Contact GSTS for more information: sales@gsts.ca

