Digitize and Decarbonise Your Fleet with OCIANA™

Mandated to reduce emissions and support JIT arrival?

Want information on berth status and waiting time at anchorage?

Need access to real-time data to optimise vessel routes?

As global maritime trade continues to increase, the need for ocean carriers increases. This rise in maritime activity has an adverse effect on the environment through increased Greenhouse Gas (GHG) emissions and climate change.

Ships also add to GHG emissions during port calls. Most ships need to wait at anchorage to unload cargo, due to lack of immediate berth availability, storage availability, weather conditions and other factors. During this waiting time, fuel and energy consumption continues, as well as additional GHG emissions.

The IMO's GHG strategy to curb emissions envisages a reduction in carbon intensity across international shipping by at least 40% by 2030, pursuing efforts towards 70% by 2050 compared to 2008, and that total annual GHG emissions from international shipping should be reduced by at least 50% by 2050 compared to 2008.

Achieving this steep target will require a united effort and contribution by all the players in the maritime industry. Ports and shipping lines thus need to collaborate and work together to reduce GHG emissions and adapt to just-in-time (JIT) arrival.

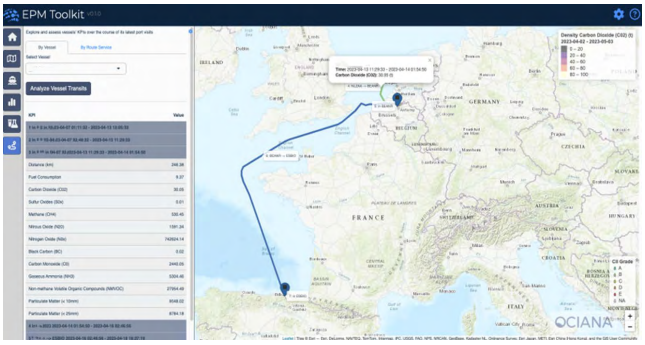
OCIANA™: Your Platform for Green Voyage Planning and Sustainability

GSTS™
Navigate Tomorrow Today

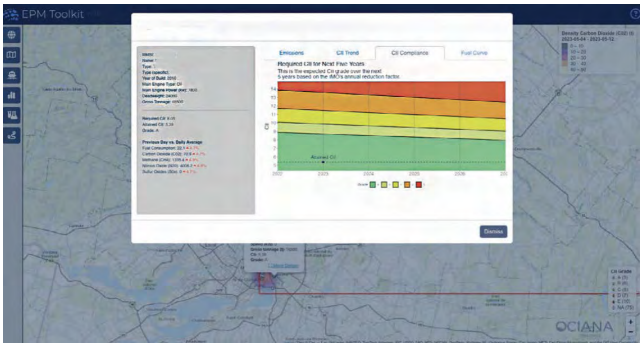
Benefits of OCIANA™

- Improved visibility and transparency through a common operating picture enhanced with global AIS data and satellite imagery
- Digital real-time communication with shared intelligent geofences, incident files, advanced collaboration and chat tools
- Mitigate supply chain volatility and meet sustainability goals
- Collaborative berth scheduling to enable informed decisions on port calls, requests for berthing time windows and JIT arrival
- Enhanced ETA for the most accurate long-horizon, multi-stop predictions
- Port Analytics allows users to visualize port congestion, including berth status and anchorage availability, and make informed decisions towards contract demands
- Environmental performance analytics to report fuel consumption and emissions across segments of a vessel route in real-time, globally
- Operational optimisation of fleet to support CII compliance
- Competitive intelligence on vessel profiles, including number of trips and turnaround times, to enhance fleet performance
- Grounding risk assessments for incident reporting on near miss groundings
- Dynamic vessel monitoring and risk detection to mitigate environmental impact and illegal activity

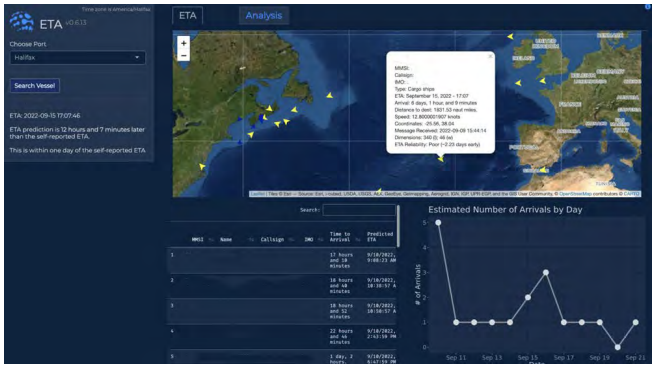
GSTS™
Navigate Tomorrow Today



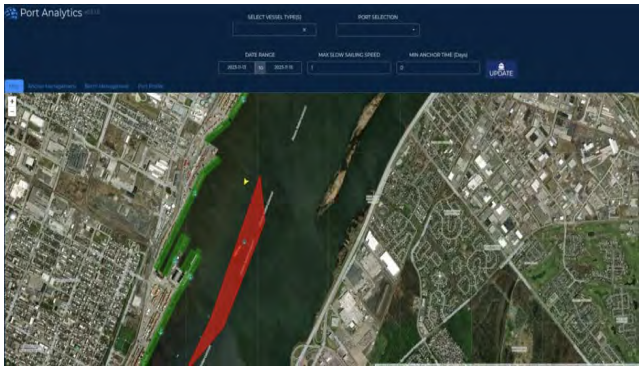
OCIANA™ Green Digital Shipping Corridor



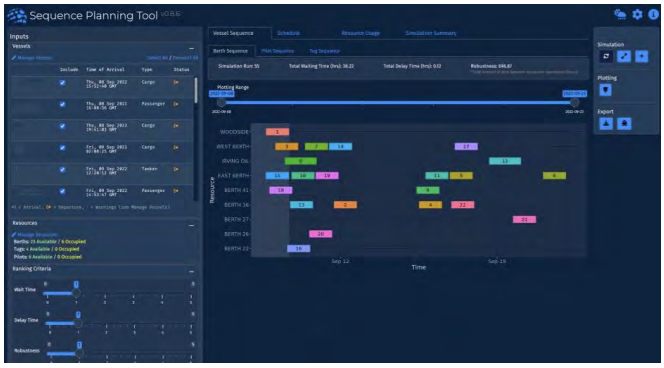
OCIANA™ Environmental Performance Management Toolkit



OCIANA™ Enhanced ETA Prediction



OCIANA™ Port Analytics



OCIANA™ Schedule Optimisation Planner

OCIANA™ Vessel Risk Profile

Contact GSTS for more information: sales@gsts.ca

GSTS™
Navigate Tomorrow Today