OCIANA™

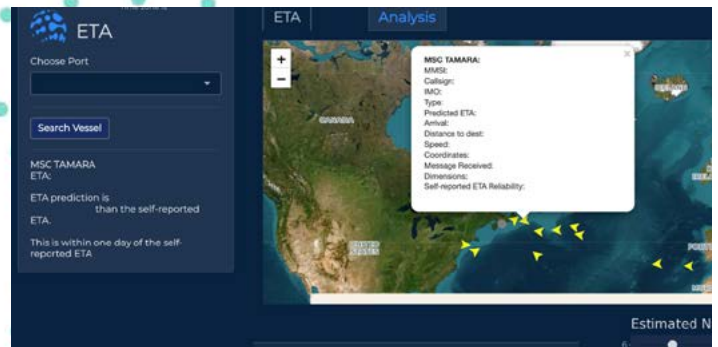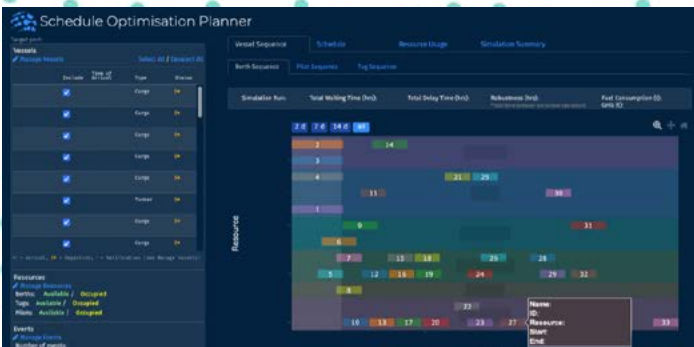## YOUR DIGITAL ANCHOR IN UNCERTAIN TIMES

Required to reduce carbon emissions and comply with green mandate reporting?

Want dynamic route planning towards Just-In-Time Arrivals?

One stop for evaluation of operational risk assessment and management?

OCIANA™ Vessel Optimiser offers a holistic solution for the maritime industry, delivering real-time predictive insights and risk assessments that help optimise vessel performance, efficiency and sustainability. The solution provides a dynamic view of vessel operational and behavioural patterns on route, distance, speed, fuel consumption and emissions to enhance port collaborative decision making.

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OCIANA™ Vessel Optimiser

ETA Prediction

- Provides the most accurate long-horizon, multi-stop ETA predictions for liners and tramp vessels
- Enables user to form independent assessment on vessel reliability towards arrival at port

Ice Jam Prediction

- Alerts for ocean carriers to facilitate considerations of alternate vessel routing and ports of call
- Enables prioritisation of resource deployment and management

Schedule Optimisation Planner (SOP)

- Promotes vessel collaboration with ports and terminal operators
- Enables informed decisions on port calls, requests for berthing time windows, and sustainability goals through just-in-time arrival
- Facilitates quick recovery from shock events
- Predicts vessel behaviour, arrival time and deviations

Advanced Chat and Collaboration Tools

- Facilitates single reference for all users of data and real time communication and collaboration

Vessel Analytics

- Vessel Anchoring: allows users to visualise congested anchorages and make informed decisions that help meet contract demands and sustainability goals
- Vessel Berthing: enables users to visualise berth availability and report on vessel turnaround times
- Vessel Profiles: enable current and historic behaviour comparison vis a vis vessels in the same fleet or competitor vessels

Grounding Risk Assessment

- Incident reporting of near miss groundings
- Custom data reports and visualisation

Green Digital Shipping Corridor

- Digitised trade routes for all vessels that arrive at port
- Monthly reporting for fuel consumption and emissions along segments of a vessel route or along series of port visits

Intelligent Geofencing

- Geofences enhanced with machine learning to deliver a high accuracy timeline and enhanced predictability into a vessel's location and planned passage

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