

OCIANA®: World's First AI Powered Collaborative Berth Scheduler

OCIANA's Collaborative Berth Scheduler will connect ships, pilotage authorities and ports to support Green Digital Shipping Corridors and environmental protection thus promoting the overall efficiency of the maritime supply chain.

In partnership with [Canada Steamship Lines](#), [Montreal Port Authority](#), [Laurentian Pilotage Authority](#) and [Clear Seas](#), OCIANA's latest capability will streamline vessel berthing through AI Predictive Analytics to support Just-in-Time Arrivals (JIT).

Key Objectives of OCIANA's Collaborative Berth Scheduler

To allow ports, pilotage, and shipping lines to exchange near real-time data via a common platform, enabling digital planning and operational optimisation:



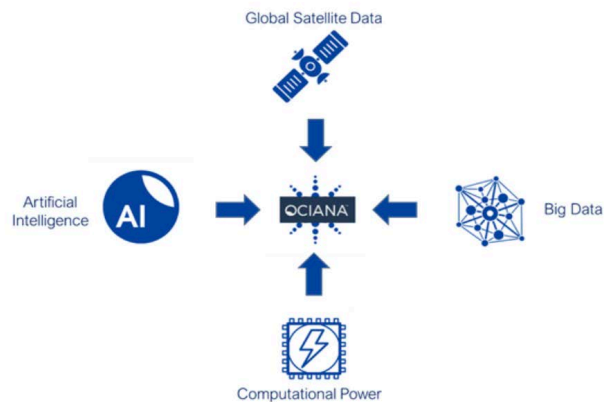
OCIANA® will be accessible to all maritime stakeholders globally. Benefits include:

- real-time performance monitoring of global emissions
- information on vessel movements and vessel berthing delays in real-time
- enhanced planning and coordination as it pertains to berthing windows
- decision-making intelligence for dynamic environments
- support for route optimisation

JIT Arrivals with OCIANA® will:

- enable ships to optimise their steaming speed, thereby lowering fuel consumption, and reducing emissions
- minimize time at anchorage and therefore reducing congestion in the port area
- maximise berth occupancy
- optimize human resource schedules through improved coordination
- enhance intermodal coordination
- reduce delays to maritime stakeholders

OCIANA Platform



OCIANA® incorporates the latest developments in Artificial Intelligence and Big Data analytics to improve maritime situational awareness and provide real-time decision-making intelligence:

Multi-Source Data Analytics:

- To ingest a wide range of data sources including global AIS data, an array of satellite data, and weather data; OCIANA® also ingests IoT data
- Spatially and temporally correlates the data and employs AI algorithms
- Output from the AI/ML trained models can be accessed through the online application or API

Partner Communication:

- An embedded communications channel enables multiple users to share information in real time
- Advanced chat and collaboration tools

Column Settings	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
ATL 18K 3	Maximoune	66	Barb 1	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	67	Barb 3	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	68	Barb 1	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	69	Barb 3	✓	12045	▲	▲	▲	▲	▲

Incoming Vessels - Leveraging OCIANA's ETA Prediction and Intelligent Geofences

Column Settings	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
ATL 18K 3	Maximoune	66	Barb 1	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	67	Barb 3	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	68	Barb 1	✓	12045	▲	▲	▲	▲	▲
ATL 18K 3	Maximoune	69	Barb 3	✓	12045	▲	▲	▲	▲	▲

In the Harbour - Leveraging OCIANA's Port Analytics

Column Settings	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	66	Barb 1	✓	12045	▲	▲	▲	▲	▲
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MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	69	Barb 3	✓	12045	▲	▲	▲	▲	▲

Schedule Entries - Leveraging OCIANA's Liner Service Automation

Column Settings	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	66	Barb 1	✓	12045	▲	▲	▲	▲	▲
MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	67	Barb 3	✓	12045	▲	▲	▲	▲	▲
MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	68	Barb 1	✓	12045	▲	▲	▲	▲	▲
MED-CANADA (ST LARSENCE) SERVICE CANADA EXPRESS (2)	Maximoune	69	Barb 3	✓	12045	▲	▲	▲	▲	▲

Gantt Chart - Leveraging OCIANA's Predictive Analytics

For more information, contact us at: sales@gsts.ca