

Wabtec's Digital Solutions

# Port Optimizer™

## Optimizing the Supply Chain

**Port Optimizer** is a cloud-based software solution that enhances supply chain performance and predictability by delivering real time data-driven insights through a single portal to partners across the supply chain. Integrating data from across the port ecosystem,

combining machine learning and deep domain expertise, it helps the supply chain monitor and respond to dynamic conditions, align people and resources, and proactively communicate across functions – enabling maximum port throughput and delivery performance.

### CORE CAPABILITIES

- **Unified Information Portal:** Synthesizes disparate supply chain data into a single source of truth.
- **Flexibility:** API-driven architecture enables easy integration into existing IT systems.
- **User-Based Visualization:** Flexible, modern user interface tailored by user type. Users only see their data.
- **Cyber Security:** Advanced data protection through access controls and cryptography.

### DIFFERENTIATING FEATURES

- **Consolidated information** across entire port complex allows multi-terminal/carrier views with best-in-class ETAs and planning.
- **Intelligent Container Track & Trace:** Follow containers through the supply chain including business critical terminal information.
- **Direct Connectivity:** Direct connections with source providers allow for fastest and most accurate data in the industry.
- **API Connectivity:** Full API store allows users to enjoy full power of Port Optimizer within their existing IT infrastructure.



*“Port Optimizer gives our supply chain community a holistic view of what’s happening – well in advance. It is enabling a new level of efficiency and optimization.”*



Gene Seroka, Executive Director  
Port of Los Angeles

# Participation from all major global shipping lines and all marine terminals within the Port of Los Angeles

## How Port Optimizer helps Operations









<b>Vessel Tracking</b>	Visibility to containers for equipment management and resource planning.
<b>Vessel Operational Status</b>	Progress of ship discharge and loading activity.
<b>Container Tracking</b>	Current container status by port, city, state, and final destination.
<b>Container Allocation</b>	Ability to see which motor carriers are picking up containers.
<b>Empty Container Management</b>	Aggregation of data from shipping line and terminals to provide near real-time updates.
<b>Operational Status</b>	Actionable insights into terminal operations, container dwell, availability status.
<b>Analytics &amp; KPIs</b>	Single source of truth for KPIs and port-wide analytics.

## Data Sources Include

	<b>Shipping Lines</b>	<ul style="list-style-type: none"> <li>Inbound Manifest</li> <li>Container Size/Type</li> <li>Destination Terminal</li> <li>Advanced ETA/ATA</li> <li>Vessel Stowage</li> <li>Customs Holds</li> </ul>
	<b>Marine Terminals</b>	<ul style="list-style-type: none"> <li>Availability</li> <li>Last Free Day</li> <li>Yard Location</li> <li>Discharge Status</li> <li>Terminal/Line Holds</li> <li>Custom User Information</li> </ul>

Plus additional third-party information

## STAKEHOLDERS

-  Beneficial Cargo Owners
-  Ports
-  Marine Terminals
-  Shipping Lines
-  Motor Carriers
-  Railroads
-  Chassis Providers
-  Freight Forwarders & NVOCCs

## OPERATIONAL BENEFITS

### Increased Visibility

Eliminate cargo speculation with ~14 days of advance visibility.

### Predictability

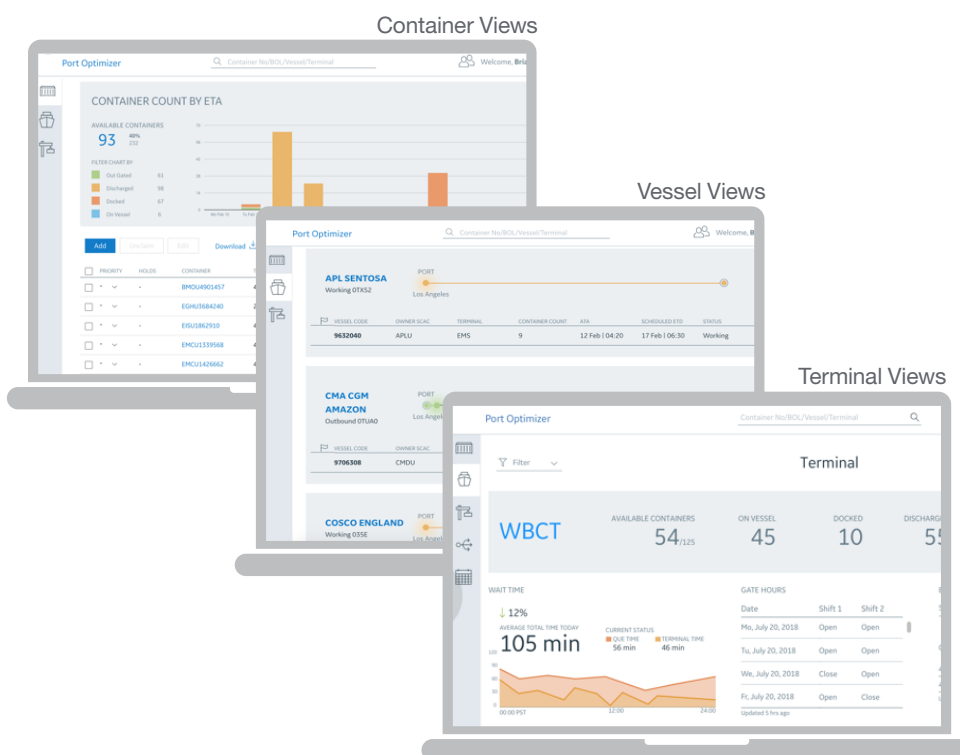
Dynamic ETAs, machine learning and other analytics drive predictive performance.

### Throughput

Facilitates immediate throughput improvements to cargo flow.

### Productivity

8-12% projected total productivity increase as the solution scales across the entire port.



The image displays three overlapping screenshots of the Port Optimizer software interface. The top-left screenshot, labeled 'Container Views', shows a 'CONTAINER COUNT BY ETA' bar chart with 93 available containers and a table listing containers with their priorities, holds, and owner codes. The middle screenshot, labeled 'Vessel Views', shows details for the vessel 'APL SENTOSA' at the Los Angeles port, including its ETA, container count, and status. The bottom-right screenshot, labeled 'Terminal Views', shows details for the terminal 'WBCT', including available containers (54/125), on-vessel containers (45), docked containers (10), and a wait time of 1.05 minutes. It also includes a gate hours table for various dates and shifts.

For more information on Port Optimizer: [track.portoptimizer.com](http://track.portoptimizer.com)