



# PortYard

## Strategic Placement, Seamless Flow

**PortYard** is a performance-driven Yard Planning Solution built to refine container movement and stacking strategies within container terminals. Through intent-driven operational modeling and data-informed decision refinement, PortYard enables more strategic yard utilization, helping terminals streamline operations, reduce handling costs, and improve throughput.

### Empower Purposeful Moves

#### Optimal Container Stacking

PortYard determines strategic container placement, covering import, transshipment, and export units, across all transport modes. By considering exit times, vessel berth schedules, load patterns, QC splits, and sequencing, PortYard ensures containers are stacked in ways that minimize unproductive moves and maximize yard capacity.

#### Continuous Housekeeping Alignment

PortYard generates ongoing housekeeping moves to maintain optimal yard conditions in alignment with evolving schedules and operational updates. This ensures containers are positioned in the most effective locations for transfer via gate, rail, or vessel.

#### Container Flow Analysis

PortYard applies data-informed logic to assess historical patterns and live yard activity, supporting forward-looking planning of container movements. This alignment enables more accurate resource allocation and smoother yard operations.

**Exceed the Past.  
Shape the Future.**

- 5 - 20 %**  
INCREASED CHE  
PRODUCTIVITY
- 5 - 10 %**  
IMPROVED VESSEL  
LOAD SEQUENCING  
AND PRODUCTIVITY
- 25 - 60 %**  
REDUCTION IN  
REHANDLES AND  
UNPRODUCTIVE  
MOVES

#### Hunker Down Mode

PortYard supports operational preparedness by configuring container stacking plans ahead of extreme weather conditions. This proactive planning strengthens yard resilience, reduces potential disruptions, and reinforces safety protocols.



## Higher Throughput, Lower Rehandles

### Reduced Costs and Unproductive Moves

- Reduces costs associated with unnecessary container movements, saving both time and resources.

### Enhanced Equipment Productivity

- Ensures optimal utilization of CHEs, minimizing idle time and increasing productivity.

### Improved Vessel Load Sequencing

- Supports vessel load planning through operational alignment, enabling more efficient loading and unloading processes and reducing vessel turnaround time.

### Reduced Travel Time and Distance

- Minimizes travel time and distance for CHEs, advancing operational efficiency and reducing fuel consumption.

### Lower Costs and Emissions

- Helps reduce fuel and CHEs maintenance costs, aligning with sustainability goals, lowering emissions, and supporting greener terminal operations.

### Enhanced Safety and Compliance

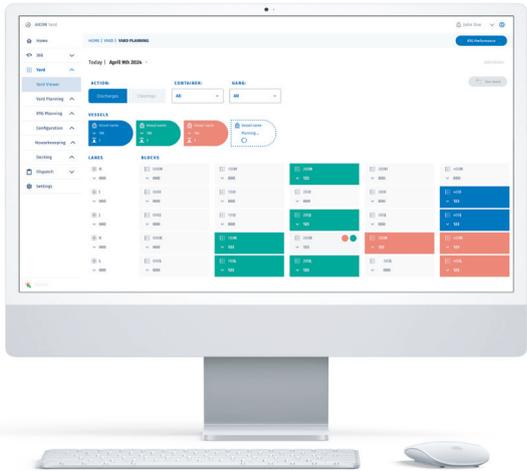
- Promotes safer yard operations by maintaining regulatory compliance and reducing the risk of incidents.

## Hazardous Containers Segregation

PortYard incorporates advanced handling protocols for hazardous containers, ensuring compliant segregation in accordance with safety regulations and minimizing operational and environmental risks.

## Yard Viewer & Performance Insights

PortYard provides a comprehensive operational view of yard conditions, supporting long-term planning and proactive management. The system includes configurable occupancy alerts and early warnings for potential yard, gate, and vessel overflows. Integrated performance dashboards and metrics offer deep visibility into key yard indicators, helping to align planning with operational intent and performance objectives.



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