AVLINO

AICON Yard

Stay Ahead of Every Move

AICON Yard is a cuting-edge Yard Planning Solution designed to optimize container movement and stacking strategy within container terminals. By leveraging AI-powered digital twin modeling, AICON Yard empowers terminal operators to streamline operations, reduce costs, and improve throughput by strategically placing containers in the yard based on predictive insights.

Empower Smarter Moves

Optimal Container Stacking

AICON Yard determines the optimal placement of containers, both import and transshipment/export containers, entering the yard via different transport modes. By considering predictive exit times, vessel berth, load patterns, QC splits, and sequencing, AICON Yard ensures containers are strategically stacked to minimize unproductive moves and maximize yard capacity.

Real-time Housekeeping

AICON Yard generates ongoing housekeeping moves to maintain optimal yard conditions in response to changing information and schedules. This ensures that containers are positioned in ideal locations for efficient departure via gate, rail, or vessel.

Predictive Container Movement Analysis

AICON Yard employs advanced predictive algorithms to analyze historical and real-time data, accurately forecasting future container moves within the yard. By anticipating container flows, AICON Yard optimizes planning and resource allocation.

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

AICON Yard plans container stacking in preparation for extreme weather conditions ensuring the yard is optimally configured to withstand adverse climate, minimizing disruptions and enhancing safety.

AICON
Yard

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

- Enhances vessel load sequencing with predictive capabilities, resulting in more efficient loading and unloading processes and improved vessel turn 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 costs associated with fuel and CHEs maintenance, aligning with sustainability goals, contributing to lower emissions and promoting greener terminal operations.
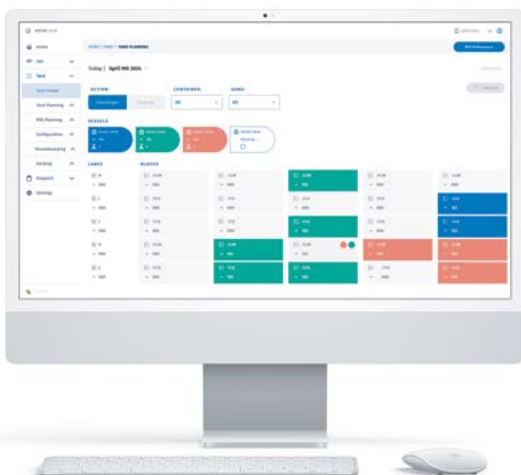
Enhanced Safety and Compliance

- Ensures that the yard operates safely and in compliance with regulations, enhancing overall safety and reducing the risk of incidents.

Hazardous Containers Segregation

AICON Yard incorporates segregation of hazardous containers, ensuring compliance with safety regulations and minimizing risks.

Yard Viewer

AICON Yard offers a comprehensive view of upcoming yard conditions, aiding long-term planning and strategic decision-making to proactively manage yard conditions. AICON Yard includes yard occupancy alerts and predictive alerts for yard, gate, and vessel overflow, as well as comprehensive KPIs & Metrics Analytics, providing critical insights into yard performance.

For more information contact:
sales@avlino.com
www.avlino.com