🌐 Logistics

Yard Management

Next Generation Cloud-based
IoT-enabled Yard Management

⁂ BlueYonder

Business Context

As the supply chain continues to become more complex, with faster deliveries and shorter order-to-ship cycles, yard management emerges as a critical success factor. Customers continue to demand faster response times and cost efficiencies, which places a heavy burden on manufacturers, retailers, carriers and 3PLs alike. These pressures, along with labor shortages, increasing detention and demurrage fees, and the ongoing risk of lost or damaged loads are driving the need for more efficient, cost- and time-effective yard management solutions.

Yard Management Challenges

Traditional yard management is dependent on manual processes and inherent know-how. The lack of visibility, dependency on human resources, and legacy systems increases cargo loss, detention, delays and costs, while removing the opportunity for centralized deployment across the enterprise.

- **Lost Loads and Trailers** are often the result poor yard visibility caused by manual processes and inadequate technology such as RFID and GPS, and often necessitate frequent, manual yard audits. This situation leaves most yards without accurate visibility into trailer location details and statuses and at risk of load loss and higher costs.

- **Manual processes**, found in most yards, are error prone and tie up scarce and valuable resources.

- **Trailer and Container Management within the Yard,** including load prioritization, dock assignment, and accurate pick and drop locations, is a critical yet often inefficient step required for an effective shipping, receiving, retail or logistics operation.

- **Detention and demurrage fees** are increasing rapidly due to loads left lingering, unmonitored, and accumulating dwell-time in the yard.

Organizations often have questions such as:

- Is it possible to automate, and centralize yard management operations across multiple yards?

- How do make our gate processes more efficient?

- How do we reduce detention fees and costs due to lost loads in our yard?

- How do I know my shipments are loaded when they need to be, where they need to be?

- How do we make it easier and faster to locate trailers in the yard?

- How can we avoid incorrect trailer moves and lost productivity due to incorrect or slow status and other failure points?

- Can my system grow across the enterprise when I need it to?

- How can I find a provider with the whole package – hardware, software, and operational expertise?

Blue Yonder's Yard Management

Critical capabilities delivered by Yard Management:

- **Automated Gate Check** In using camera technology and Machine Learning, enables automated, gate management with significantly reduced errors

- **Trailer and Container Visibility and Tracking:** Track details for inbound/outbound, drops, hooks, live loads, and status of assets in the yard.

- **Proactive Alerts:** Quickly respond to constraints or unexpected actions in real-time, and track statuses while monitoring for delays in the yard to avoid fees and expenses due to waiting or lost loads

- **Intelligent Tasking:** Provide critical information including where to drop or hook trailers, assigned docks, equipment status, and load priority and location.

- **Continuous Plan Feedback:** Continuously learn from what deviated from the strategic plan and how to best address it for constant improvement.

- **Improved Customer Service:** Prioritize your service levels and provide a yard management portal for your drivers and carriers.

- **Integrated Hardware and Software:** Out-of-the-box integrated solution leveraging cameras, OCR technology, Artificial Intelligence (AI) and Machine Learning (ML) to help speed up yard operations and ensure higher accuracy.

- **Third-Party Connectivity:** Open integration for third party systems and partners connects your data where you need it

Key Benefits

- Increased efficiency and velocity throughout the yard, faster gate management, and reduced fees and frustration

- Easy and intuitive yard visualization, including movement and equipment status, means no need for spotters, the hassle of RFID tags or the inaccuracy of GPS

- Active equipment alerting helps reduce failure points and costs related to trailer location, detention, and unknown trailer and load statuses

- Connection between the gate, yard and dock keeps equipment and inventory moving

- Centralized gate and yard management means better labor utilization across multiple sites

- Blue Yonder WMS and TMS customers enjoy greater and easier options to extend their system through native integration with existing Blue Yonder WMS/TMS solutions and extensive integration tools

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