



# Yard Management

## Warehouse management built for the future

Evolve how you run the warehouse with cognitive capabilities for complex dynamic warehouse operations with endless adaptability and continuous improvement

### Business challenge

In today's modern supply chains, the yard operates as a critical juncture between planning and execution systems. Yet existing solutions fail to take a holistic approach to the yard, and as a result it falls between the cracks of multiple business processes, stakeholders and enterprise systems.

Warehousing functions, LSP partners, Transportation Management Solutions, and more rely on a well-functioning yard—but operators struggle to access, verify and utilize the data they need.

There are many current approaches to yard management, but they all work around the challenges instead of tackling the root cause. Whether extensions of existing enterprise systems or stand-alone solutions, they treat the yard as a silo and require time-consuming manual data entry and costly integrations to basic solutions that relegate yard management to just trailer tracking. Further, they often shift the burden to external personnel (security, drivers, etc.) who might be unfamiliar with the procedures specific to each site.

Ultimately, these solutions rely on outdated technologies that are unable to connect data & workflows across the supply chain

### Yard capability

As one of the Warehouse Management Solutions capabilities, Yard Management works to help manage the warehouse from the incoming gate to the outbound shipping door within a single solution.

Modern and platform-based Yard Management connects data across your network. Managers can access information that exists across other Blue Yonder solutions—such as driver appointments, carrier schedules and dock availability—and operate with maximum efficiency.

By enhancing collaboration across the warehouse and transportation functions,



### Metrics

• **95%**

automatic trailer identification

• **50%**

reduction in detention and demurrage fees

yards can reduce gate congestion, accelerate throughput, and maintain visibility over inbound and outbound trailers. All of which improves yard efficiency by eliminating that daily hunt for “lost” trailers.

Through advanced camera vision and machine learning (ML) technologies, our Yard Management also automates critical data entry and maintains a real-time view of yard utilization. And as the solution continues to evolve, Blue Yonder is investing in new capabilities that unlock greater ROI, productivity and synchronization for customers.

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## Capability offerings

### Enterprise scale SaaS platform

- Built with Microsoft Azure and on the Snowflake data cloud for scalability, security and data access across enterprise yards and enterprise scale.
- Natively interoperable on the Blue Yonder Platform to prevent any black holes in network visibility.

### Gate automation—controlling inbound and outbound traffic

- Gates can serve as an accelerant, instead of an obstacle, for trucks entering the yard. Blue Yonder Yard Management solution uses cameras with object recognition AI to identify trailers entering and leaving the yard.
- ML technology then interprets the images and reads the data into the system. This capability eliminates the need for manual processes and provides definite proof of what has entered and exited the yard with time-stamped images for dispute resolution .

### Real-time yard tracking—using technology to accurately locate your assets

- A persistent challenge for yard supervisors is maintaining an up-to-date picture of their yard—the location and status of trailers, number of available spaces and more. Blue Yonder solves this by equipping mobile units, (typically yard jockeys), with cameras, spatial awareness and location technology that continuously capture trailer locations throughout the yard and docks.
- Yard Management identifies record discrepancies and prepares actionable recommendations so supervisors can easily reconcile the data.

## “Digital twin” yard visualization and mapping

- Hand in hand with yard tracking, real-time 3D map visualization provides trailer location, status, alerts, and search of every trailer in the yard. Operators can immediately find and see the status of trailers in the yard and docks and take action.

## End-to-end integration and connectivity

- Connected to the Blue Yonder Network, Yard Management can leverage robust appointment, dock scheduling and trading partner collaboration.
- By bringing the best Blue Yonder and Panasonic technology together, yard operators can leverage hardware and software to reach their automation goals across yard value flows.

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## Key benefits

### Operational efficiency

- Maximize the efficiency and utilization of all yard assets, including trucks, trailers, containers, inventory, and personnel
- Improve on-time delivery performance and SLA compliance by managing disruptions and replanning in real time
- Reduce detention fees, holding charges and other penalties by continuously optimizing the movement of trucks and trailers
- Decrease headcounts and labor costs via process automation and digitalization

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## One solution for the entire warehouse

Yard Management is just one of the many cognitive capabilities included with Warehouse Management.

Our next generation warehouse management solution builds on 25 years of proven, robust capabilities with paradigm shifting innovation to better predict, plan, adapt, and unify warehouse operations.

## To learn more about building the warehouse for the future

Contact your Solution Rep or visit [blueyonder.com](https://blueyonder.com)