



# Warehouse-aware planning

Unify planning and warehouse execution with Blue Yonder

## The challenge: Disconnected planning and warehousing

For a supply chain to function smoothly, its plans must align with the physical realities of the warehouse. Without this alignment, your best plans create significant operational friction, leading to production issues, capacity problems, increased inventory loss, and missed service-level agreements (SLAs). Planners attempting to bridge this gap consistently face three primary challenges:

1. **Siloed planning and operations:** Disconnected systems hinder effective information sharing, resulting in distribution plans that overlook key warehouse constraints, including dock door availability, throughput capacity, and labor levels.
2. **Stale and inaccurate data:** Latency between warehouse activities and planning systems results in outdated inventory information. Without real-time updates on quality holds, breakages, or counts, planners make decisions based on faulty assumptions, leading to stockouts or excess inventory.
3. **Inefficient resource and space utilization:** Misalignment between demand plans and actual warehouse capacity leads to poor labor and storage allocation, higher operating costs, reduced service levels, and limited ability to adjust warehouse configuration as needs change.

Blue Yonder provides the interoperability needed to address these challenges and unify your supply chain end-to-end.



## Key Benefits

- Minimize deviation between plan and execution
- Improve decision-making with accurate data
- Increase efficiency and productivity
- Optimize financial and operational outcomes
- Enhance agility and responsiveness

## The Blue Yonder solution: Warehouse-aware planning

Blue Yonder ensures that warehouse space and labor planning are truly demand-driven. It guarantees proactive alignment of labor, storage, and warehouse configuration requirements as market needs evolve, preventing costly capacity constraints and resource shortages.

Direct and effective, warehouse-aware planning automatically reflects specific warehouse constraints—such as the number of dock doors, receiving and dispatch throughput rates, and day-by-day labor availability—as direct inputs to the daily and weekly distribution plans. This ensures minimal deviation between plan and execution. In parallel, real-time updates from the warehouse floor, including revised inventory levels from quality checks, breakages, or counts, are fed back into the planning solution.

This bidirectional interoperability enables unified decisioning, allowing planning and warehouse processes to operate as a single, synchronized system.

## Capability offering

### Minimized plan deviations

Embed real-world warehouse constraints like dock door availability and labor capacity directly into distribution plans. This leads to minimal deviation between what is planned and what can be executed.

### Demand-driven resource alignment

Make warehouse space and labor planning truly demand-driven. This ensures the strategic alignment of labor, storage, and facility configuration with evolving market needs.

### Plans based on real-time data

Use real-time inventory updates from the warehouse, including quality checks and breakages. This ensures that Blue Yonder Demand and Supply Planning generates reliable plans based on the most accurate information.

## Unlock your supply chain's full potential with Blue Yonder Services

Partner with Blue Yonder Professional Services to modernize your supply chain with Strategic Advisory, Implementation Services, and Continuous Optimization, enabling 30% faster time to value, lower risk, and a resilient, scalable supply chain. Ongoing premium support and training ensure you make the most of your investment for long-term success and growth. Learn more about how we can help you achieve these results



## Core features

- Interoperability from planning to execution
- Demand-driven labor and space planning
- Constraint-aware distribution planning
- Real-time inventory updates
- Unified decisioning

