



Space Planning Solution

AI-powered optimization. Connected collaboration.
Executable results.

Business context / Challenge

Retailers face a difficult space planning tradeoff: Generic, one-size-fits-all planograms fail to reflect local shopper demand, while creating optimized, store-specific plans at scale is time-consuming and resource intensive. At the same time, changing shopper preferences, labor shortages, fragmented systems, and rising pressure to improve profitability make space decisions more complex than ever. Many retailers still rely on manual processes and disconnected workflows, creating gaps between planning and execution that result in lost sales, poor compliance, excess inventory, and reduced space productivity.

The Blue Yonder solution

Our Space Planning Solution builds on decades of space planning innovation, combining proven planogram capabilities with AI-powered optimization, intelligent automation, real-time collaboration, and execution management. Built on the Blue Yonder Platform, the solution helps retailers quickly and profitably optimize, manage, analyze, and execute store-specific planograms at scale. By connecting space decisions with demand, assortment, inventory, and business objectives, retailers can continuously respond to changing shopper demand, create more relevant and executable plans, improve shopper experiences, increase sales and margins, and drive greater operational efficiency across the enterprise.

AI-driven planogram optimization at scale

Blue Yonder combines advanced AI and machine learning to optimize planograms against key objectives such as sales, margin, and space productivity. Instead of relying on manual plan updates, retailers can automatically generate and maintain localized layouts across thousands of stores as often as the business requires. AI analyzes product flow, adjacency, blocking, banding, and placement opportunities to continuously improve category performance while reducing planning effort.



Key Benefits

- Generate localized, store-specific planograms at scale
- Continuously optimize shelf space using AI-powered automation
- Improve sales, margins, and space productivity
- Increase planner productivity and reduce manual effort
- Improve planogram compliance and execution accuracy
- Connect planning, merchandising, suppliers, and store operations teams in a unified workflow



Collaborative planning

Space planning touches multiple teams, yet many organizations still depend on spreadsheets, emails, and disconnected systems to communicate with one another. Blue Yonder Space Planning Solution creates a shared environment with planogram collaboration capabilities where category managers, space planners, suppliers, merchandising teams, and store operations can work together in real time. The result is faster plan development, improved alignment and streamlined approvals all within a unified workflow.



From planning to execution

Great plans only deliver value when executed correctly. The Space Management mobile app helps store associates execute planograms faster and more accurately through guided workflows, visual instructions, and real-time updates delivered directly on the sales floor. In-store photo validation helps confirm compliance and identify execution issues, while streamlined resolution workflows connect stores and headquarters teams to accelerate corrective action. The result is improved compliance, greater consistency across stores, reduced labor effort, and increased visibility into execution performance.

Powered by Blue Yonder Platform

Unlike standalone space planning tools, Blue Yonder Space Planning Solution is built on a platform that enables space decisions to inform, and be informed by demand, assortment, inventory, financial planning, supply chain, and store execution. This connected approach helps retailers improve alignment across functions, adapt faster to changing business conditions, and maximize the performance of every category, store, and square foot.

Connected Category Management

Blue Yonder Space Planning Solution natively connects with Blue Yonder Category Management solutions and broader retail planning processes, helping ensure space and floor decisions remain aligned with financial plans, assortment strategies, demand patterns, inventory positions, and business objectives. This creates a connected retail planning environment that improves cross-functional collaboration, increases decision-making agility, and helps retailers deliver the best customer experience.