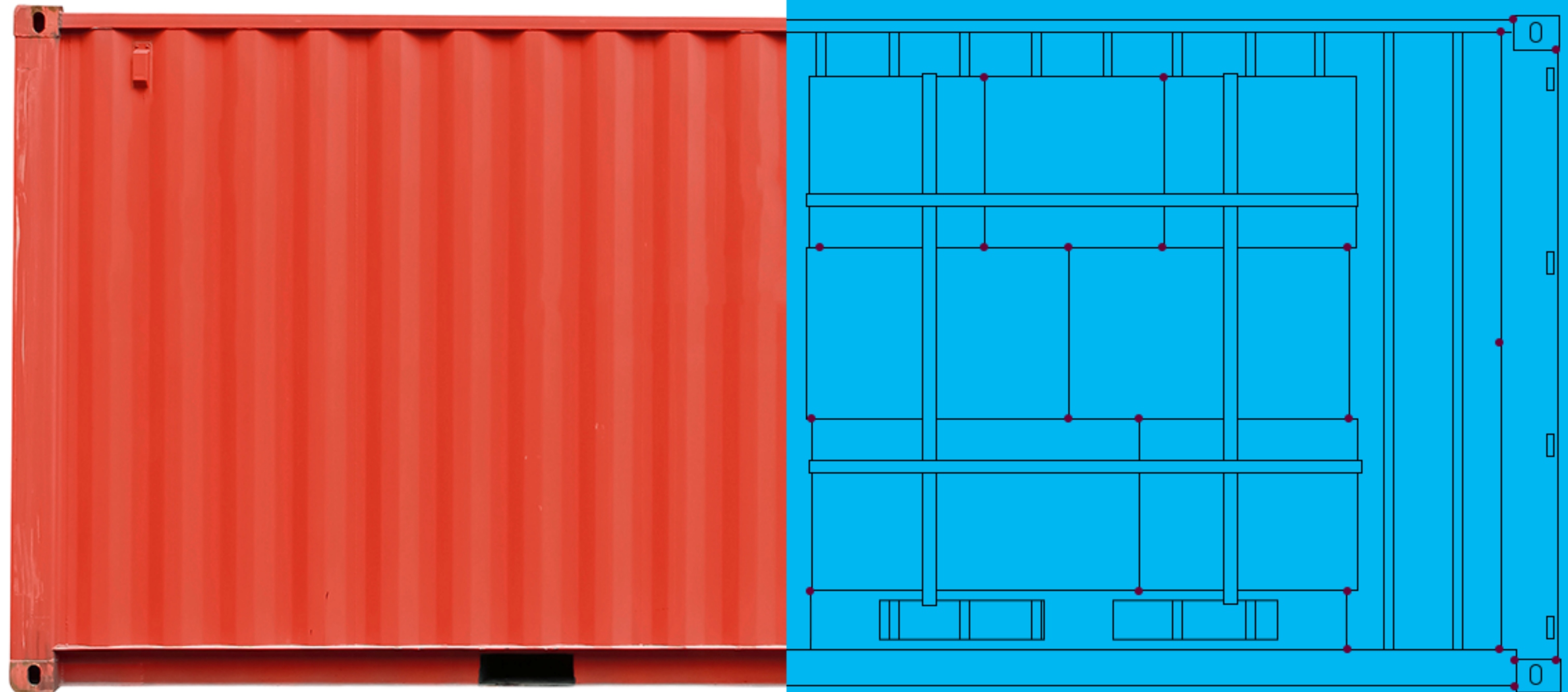


Tomorrow's Supply Chain

Transforming planning into a
predictive, unified and intelligent
growth engine



The supply chain crossroads

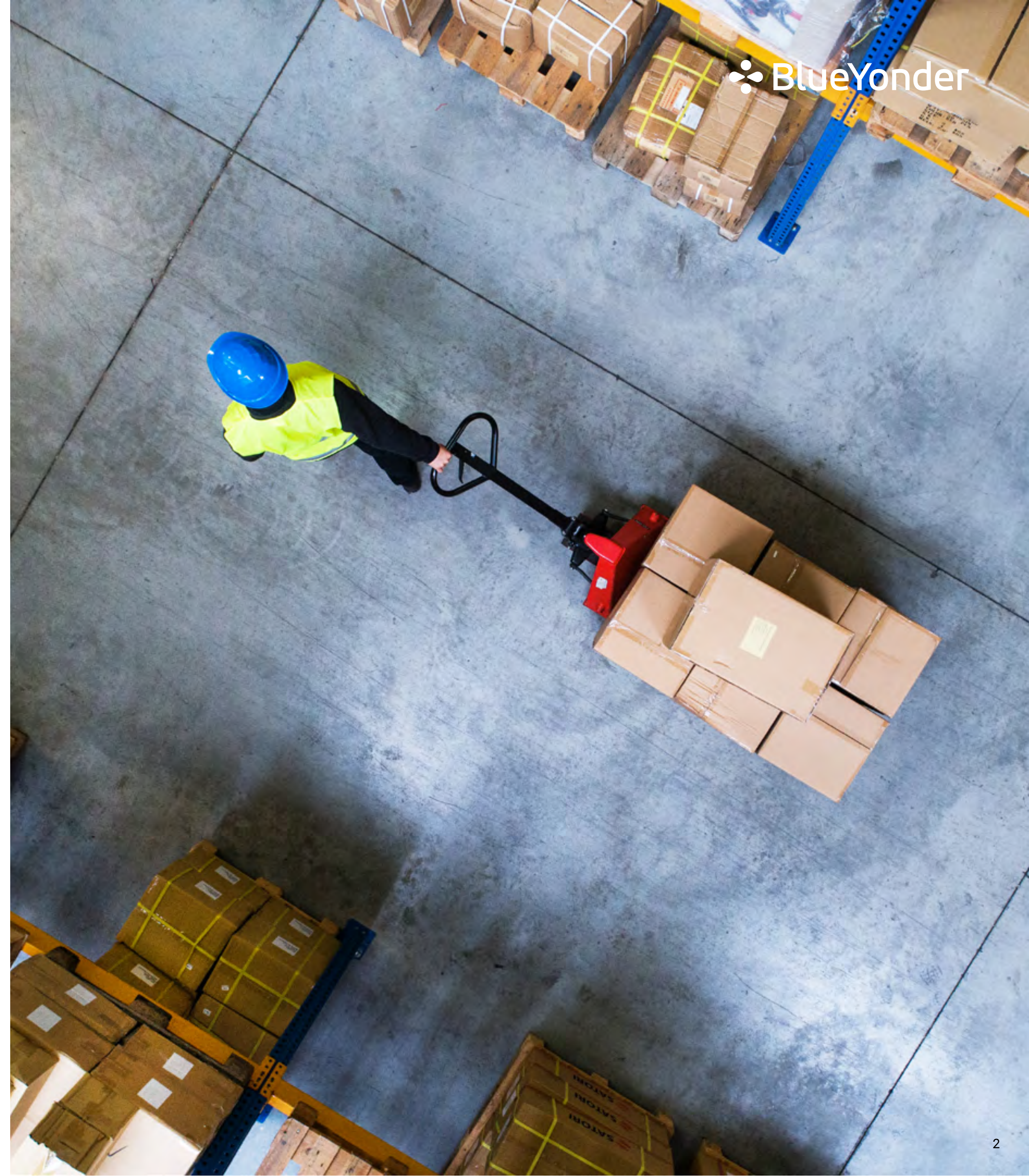
OVER THE NEXT FIVE YEARS, MOST OF THE BUDGETS WILL BE INVESTED IN TECHNOLOGY TO OVERCOME SILOED DECISION-MAKING (67%), SPEED UP DECISION-MAKING (49%) AND MAKE COMPLEX CHANGES TO BUSINESS MODELS (53%).

(SOURCE: [BLUE YONDER COMPASS REPORT 2025: SPOTLIGHT ON TECHNOLOGY AND AI](#))

Supply chains have moved from back-office operations to front-page headlines and boardroom priorities. Geopolitical tensions, climate shocks and raw material shortages have made volatility the new normal.

Yet many manufacturers still rely on spreadsheets, disconnected systems and reactive firefighting. Planners spend days manually reconciling mismatched forecasts, while execution teams scramble to cover shortages. This is no longer sustainable.

What if planning were predictive, unified and intelligent? What if planners owned outcomes, not just data? Blue Yonder Cognitive Solutions for planning deliver exactly that—an AI-driven platform that transforms planning from fragmented processes and data to growth engines.



The market context



82% OF SUPPLY CHAIN LEADERS RECOGNIZE THAT, FOR THEIR SUPPLY CHAIN TO PERFORM AS NEEDED, INVESTMENT IN NEW TECH IS ESSENTIAL.

(SOURCE: [BLUE YONDER COMPASS REPORT 2025](#))

Four forces drive urgency for change:

- **Persistent disruptions:** Raw material shortages, port congestion, labor strikes
- **Accelerated change:** Shorter product lifecycles, faster competition
- **C-level oversight:** Boards now track supply chain as closely as revenue
- **AI breakthroughs:** Machine learning (ML) and agent-driven systems make new levels of agility possible

Companies sticking to siloed planning will see rising costs and declining agility. Those adopting cognitive demand and supply planning gain visibility, speed and resilience.

Predictive planning—from guesswork to foresight

Traditional forecasting relied on history and judgment—inconsistent guides in today’s volatile world. Predictive planning integrates ML with real-time signals like promotions, POS data and even weather to anticipate demand with greater accuracy.

Customer value

Fewer stockouts, optimized inventory, higher service levels

Blue Yonder delivers

AI-driven forecasts, continuous monitoring, scenarios, and algorithms enriched with external data

EXAMPLES

Smartphone manufacturer

A company planning to sell 200,000 devices in Q4 can align procurement of screens and batteries, set safety stock, and distribute inventory globally. Instead of costly buffers or missed sales, predictive and connected planning syncs supply with actual demand.

Automotive manufacturer

An automotive manufacturer uses supply planning to ensure steel, chips, and other components are sourced and delivered in time to match forecasted vehicle production.





Unified decisioning— breaking down silos

Many companies plan demand, supply, and inventory in separate workflows supported by separate solutions or capabilities, leading to bottlenecks and misalignment. Blue Yonder unifies planning into one workspace, creating a single source of truth.

Customer value

Stronger collaboration, faster decisions and business alignment

Blue Yonder delivers

One platform, embedded AI and analytics, automated, and streamlined interoperable workflows

EXAMPLE

CPG brand launch

A beverage launch must align marketing's forecast with supplier capacity and logistics. In a unified system, demand, procurement and distribution flow together. If a campaign overperforms in Europe, the system reallocates stock dynamically to meet demand.

Interoperability—where planning meets execution

Plans fail without seamless execution. Blue Yonder connects planning to the Blue Yonder Network, TMS, WMS, OMS, and Sustainable Supply Chain Manager making execution an extension of planning enabling quick responses to change and improved service levels for customers.

Customer value

End-to-end efficiency, lower costs, and real-time adaptability

Blue Yonder delivers

Seamless interoperability with execution systems, real-time data exchange and cognitive solutions for execution

EXAMPLES

Logistics

Logistics-aware planning ensures that transportation capacity, constraints and delays are factored into their distribution plans. As market conditions change, the system dynamically adjusts lane and carrier capacities, ensuring that replenishment plans are executable and aligned with current logistical realities.

Warehouse

Warehouse constraint-aware planning incorporates warehouse space and labor constraints into their daily and weekly distribution plans. This ensures that plans are not only optimized for inventory levels but also executable within the physical limitations of warehouse operations, reducing deviations and improving fulfillment accuracy.

Sustainability

Sustainable supply chain workflows connect planning with the Sustainable Supply Chain Manager enabling a company to optimize its logistics for minimal carbon emissions. This allows planners to scenario plan against different environmental, social, and governance (ESG) metrics, ensuring that sustainability goals are met without compromising service levels or cost efficiency.





Agentic visibility and collaboration

OVER 25 BILLION DECISIONS ARE PROCESSED BY BLUE YONDER ALGORITHMS, SOLVERS AND ADVANCED GENERATIVE AI PER DAY. (SOURCE: [BLUE YONDER](#))

Planners face data overload, not data scarcity. In the dynamic landscape of supply chain management, the ability to quickly identify and resolve issues is paramount. This is where AI agents, such as Blue Yonder Inventory Ops Agent, come into play. These agents are designed to enhance planner productivity and decision-making by providing intelligent insights and actionable guidance.

By offering intelligent summarization, data quality guidance, and root cause analysis, the agent empowers planners to make informed decisions swiftly and efficiently. It provides a comprehensive view of the supply chain, identifying common causes of issues and suggesting effective resolutions, thus ensuring that planning activities align with strategic objectives.

Customer value

Faster, more confident decisions and improved service levels

Blue Yonder delivers

Embedded agents, root-cause analysis and actionable recommendations

EXAMPLE

Inventory Ops Agent

If demand spikes in one region, the agent identifies excess inventory in another and recommends redistribution. Planners act with confidence, backed by real-time intelligence.



The path forward

Success isn't about surviving disruptions—it's about thriving despite them. Companies that unify planning, embed AI and ensure interoperability will gain resilience, efficiency and competitive advantage.

Blue Yonder Demand and Supply Planning make this transformation real today, elevating planning to the boardroom level. The future of supply chain isn't reactive—it's predictive, intelligent and unified.



The AI company for supply chain

blueyonder.com

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