



High-tech supply chain excellence

Empower innovation with a resilient, cognitive supply chain

Business context and challenge

The high-tech industry is navigating a rapidly evolving landscape shaped by technological advancements and shifting market dynamics. With rapid product innovation, fluctuating supply availability and changing consumer preferences, the need for agility in responding to unpredictable events is more critical than ever.

The high-tech industry faces many challenges, such as demand volatility, rising costs due to geopolitical disruptions and chip design challenges, and increased operational expenses from inflation, tariffs and labor shortages. ESG considerations are reshaping corporate strategies, requiring alignment with sustainability goals to impact waste reduction and resource optimization.

In this dynamic environment, achieving supply chain agility while balancing costs and service levels proves difficult. Organizations lack visibility and collaboration across suppliers to adapt to disruptions effectively. Supply chain systems are disjointed with data silos and are aging, making it hard for companies to leverage artificial intelligence (AI) for actionable insights and productivity improvements. Due to this companies experience Increased operational costs impacting cashflow and margins because plans are poorly executed, production falters, inventory is in excess, logistics is expedited and delivery dates are missed.



Metrics

- Up to 30% reduction in planning effort
- Up to 200 basis point increase in profit margins
- Up to 15% increase in forecast accuracy



Key Benefits

- Increase forecast accuracy and trust
- End-to-end visibility and collaboration
- Agile and responsive supply chain operations
- Synchronize operations from planning to execution
- Resilience and adaptability against disruptions
- Sustainably abundant supply chains
- Transform risks into opportunities using supply chains as a competitive advantage

The Blue Yonder solution

Empower innovation from design to device to distribution with a resilient, cognitive supply chain. Blue Yonder delivers outcomes uniquely aligned to high-tech supply chains allowing you to turn supply chain risks into opportunities, your new competitive advantage. Blue Yonder offers an end-to-end, interoperable set of solutions that enables faster demand response, reduced inventory costs and minimized waste, one innovation to the next.

Blue Yonder's unified approach delivers outcomes uniquely aligned to the dynamic needs of the high-tech sector. Empowering businesses to transform their supply chains into strategic assets. Our platform integrates advanced AI-driven supply chain planning and multi-tier visibility and collaboration, enabling companies to anticipate demand shifts and optimize inventory management. By synchronizing execution across orders, logistics, labor and warehousing, Blue Yonder ensures efficient, on-time delivery while minimizing costs.



Our resilient digital twin technology simulates and optimizes scenarios, enhancing adaptability and resilience against disruptions. Additionally, Blue Yonder embeds sustainability into operations, promoting environmentally responsible practices that align with corporate and regulatory goals. With a focus on agility, our solutions enable rapid responses to market changes, ensuring high-tech companies can innovate from design to device effectively.

Capability offerings

Supply chain planning

Optimize your supply chain with Blue Yonder's advanced planning solutions that enhance forecasting accuracy and improve decision-making. Our AI-driven tools anticipate demand shifts, streamline operations and ensure efficient inventory management. By enhancing planning speed and productivity with automated forecasting, better collaboration, supply planning and optimized inventory allocation, our solutions improve plan quality with the best combination of statistical methods, AI, machine learning (ML)-based forecasting, scenario analysis and prescriptive guidance, meeting and exceeding business goals such as revenue and profitability while supporting sustainability.

Multi-tier, multi-enterprise visibility and collaboration

Achieve comprehensive visibility across suppliers, production and end users with Blue Yonder's solutions. Our platform facilitates superior collaboration, allowing you to capitalize on demand and ensure seamless supply chain operations, even when acquiring the latest components is challenging. Gain comprehensive control and visibility over the entire supply chain, from tier-1 to lower-tier vendors, ensuring consistent access to critical components and reducing costly delays. Our collaboration tools support sustainability objectives through optimized resource use.

Synchronizing supply chain execution

Coordinate logistics and warehousing to improve cost control while ensuring on-time, in-full delivery. Blue Yonder's integrated solutions synchronize execution across the supply chain, reducing fragility and optimizing resource utilization. By coordinating orders, logistics, labor and warehousing operations, our solutions enhance efficiency, reduce risks and ensure timely delivery, improving cost control and overall operational execution.

AI and agile supply chains

Leverage AI to create agile supply chains that respond rapidly to changing market conditions. Blue Yonder's solutions are AI-powered, providing insight and action across the end-to-end supply chain domain. Our solutions enhance operational efficiency, enabling quick adjustments to any change, such as demand fluctuations, logistical disruptions, inventory imbalance and more. Utilize AI to drive agility, giving your team back time and allowing your supply chain to autonomously adapt while ensuring operations remain responsive and resilient.

Resilient digital twins

Utilize digital twins to simulate and optimize supply chain scenarios, enhancing resilience and adaptability. Blue Yonder's digital twin technology provides insights into potential disruptions, allowing proactive measures to maintain smooth operations. Implement digital twins to simulate various scenarios, anticipate challenges and optimize your supply chain for resilience, ensuring adaptability and continuity in the face of disruptions.

Sustainably abundant supply chains

Embed sustainable practices into your supply chain operations to meet corporate and regulatory goals. Blue Yonder's solutions support waste reduction and resource optimization, promoting environmentally responsible operations. Integrate sustainability into every aspect of your supply chain, from planning to execution, optimizing resource use, minimizing environmental impact and ensuring compliance with regulations and corporate objectives.



Key Solutions

- Network Design and Utilization
- Integrated Business Planning
- Demand and Supply Planning
- Production Planning and Scheduling
- Order Promising and Optimization
- Allocation and Replenishment
- Order Management and Commerce
- Command Center
- Sustainable Supply Chain Manager
- Transportation Management (TMS)
- Warehouse Management (WMS)
- Warehouse Labor Management (WLM)
- Order Management (OMS)
- Returns Management (RMS)
- Blue Yonder Network
- Blue Yonder Platform