

Integrated Demand and Supply Planning for High-Tech & Consumer Electronics

Metrics

Business Context/Challenge

The High-Tech & Consumer Electronics industry is in a very unique position to drive innovation not just within but across other industries like Automotive, Industrial, Home Goods, Consumer Goods, etc. as well. The Consumer Electronics industry is expected to grow beyond \$1 trillion in 2030; but this growth also means the supply chains are going to be stretched to the limits. Creating a digital supply chain that is agile and responsive is the only way forward to compete in this high-growth and high-complexity space.

The Blue Yonder Solution

Blue Yonder provides the most innovative, scalable and flexible end-to-end Integrated Demand and Supply Planning solution for High-Tech & Consumer Electronic manufacturers. The solution delivers one integrated enterprise plan to identify and fill value leakages, increase speed, improve customer levels and agile to manage increased disruption and volatility. Companies gain ability to orchestrated the extended value network, confidence in the ability to plan and respond to disruptions, and maximize business performance.

Blue Yonder has one of the industry's largest customer bases in integrated demand and supply planning and enabled planning across the entire value network. The Industry Cloud and IDSP capabilities are built for high-tech electronic industries with stream solutions and more than 40 pre-configured planning use cases and workflows by persona. Proven machine-learning algorithms, glass box AI with clear explainability, intuitive use experience, collaboration rooms, and industry KPIs and analytics

Real results

Improve forecast accuracy by up to

15%

Improve OTIF performance

5-15%

Drive revenue uplift

1-2%

Increase inventory turns by

10-20%

Improve profit margins

50-200 BPS

Key Benefits

- **Maximize Throughput:** Planning and optimization of entire value network including key supply chain partners.
- **Proactive Exception Handling:** Handle disruptions much earlier and increase resiliency with real-time planning, execution, and exception management.
- **Pre-configured Use Cases by Persona and Proven Algorithms:** Cloud-based applications with personal-based preconfigure use cases to minimize learning curve to plan supply chain end-to-end planning. Proved AI/ML-based and advanced algorithms to take proactive actions for opportunities

to minimize learning curve to support high growth environments and enable significant operation performance improvements. The solutions bring much faster deployment with pre-configured workflows, advanced data management and integration, and enhanced extensibility for customer specific needs.

Solution Offerings

Advanced Demand Forecasting

Improve demand forecast accuracy using advanced algorithms and models from Blue Yonder. Accelerate the forecasting process with auto-classification of demand, data cleansing for events and outliers and auto-assignment of forecast algorithms and parameters

Consensus Demand Planning

Unified collaborative forecast alignment across brand, commercial, marketing, finance and supply chain. Capture perspective and develop scenarios to perfect plans; connect annual operational planning (AOP) with financial and quarterly plans.

Demand Sensing

Insights into evolving period performance versus target. Clearly understand the drivers with supporting data and analytics, in order to update forecast, adjust supply plans and improve inventory plans with high confidence.

Inventory Optimization

Improve inventory optimization performance through automated segmentation of product-channel portfolio of items and arrive at optimal inventory levels across different stages of supply chain while improving service levels and margins.

Integrated Demand & Supply Planning

Optimize end-to-end plans to meet and exceed goals with consideration for capacity, materials, campaigns and logistics. Improve plan quality significantly with predictive analytics, fast demand-supply scenario analysis with prescriptive guidance and situations rooms to collaborate across business functions.

So-What, Now-What?

Evaluate supply chain events with impact assess and trade-offs, root cause analysis, macro and micro scenario plans and cross functional alignment.

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Cloud Deployment

Manufacturing Industry Cloud for High Tech and Consumer Electronics Industries enables much faster deployment with unprecedented flexibility to incrementally to select and deploy cloud services.

Plan quality is significantly improved with ML/AI driven analytics and insights. With advanced data management and pre-built integrations, data quality is improved also while deployment time is further reduced.

The solution minimizes planning and IT learning curve with preconfigured workflows and systems development and maintenance work with seamless upgrade. Industry cloud enables extensibility for customer-specific needs

To learn more,
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