

# Supply Planning



## Accelerate your ROI with supply planning

Global supply chains are becoming increasingly dynamic and complex. Industries once populated with slow-moving, vertically integrated manufacturers are now characterized by dynamic networks of specialized companies that collaborate to bring a complete product to market. Success is determined by how much visibility can be achieved across this extended supply chain, as well as each firm's ability to understand, sense and quickly respond in real time to changes across the global network. Reacting to disruptions is no longer good enough — today's companies must operate an always-on digital supply chain in order to proactively detect disruptive events and apply predetermined, profitable response strategies.

This ability is imperative in today's digital world of increasing product proliferation and new pressures to bring innovations to market quickly. Shorter lifecycles, new competitors, and increasing numbers of partners and suppliers have resulted in extreme business variability. The good news is companies now have access to a growing volume of data from Internet of Things (IoT) sensors, as well as social media, news, events and weather, making it easier to sense the demand and supply changes impacting their supply chain strategies. Companies that can dynamically update their working master plans in real time instead of relying on weekly, monthly or even daily cycles can command a significant competitive advantage in this volatile environment. However, many companies lack the tools and processes to sense, process, plan and respond to real-time.

## Real results

Reduce inventory by

**10%**

Improve productivity by

**20%**

Reduce expenses by

**30%**

## Why go at it alone? Rely on Blue Yonder, the industry leader

Effective planning today is a process of continual plan updates that replace the past practice of updating at a set frequency such as daily, weekly or monthly. You need the agility to incorporate updates dynamically at any time based on new information, and a critical component in gaining this planning agility is the ability to apply global optimization in conjunction with local rebalancing.

With its patented solvers, Blue Yonder's solution is unmatched in both speed and scalability to handle global networks with visibility down to the local level. These supply planning capabilities can accelerate any supply chain, no matter how large, with dynamic and event-based master production planning. Supply planning minimizes the resources involved in planning activities with features such as constraint-based rules, automated decision making and exception-based reporting. These capabilities help ensure that your planners' attention is focused only on issues that are critical for the performance of your global supply chain.

## Best-in-class supply planning capabilities within easy reach

Supply planning can help your business build one globally synchronized and shared plan that senses and responds profitably and quickly to both supply and demand volatility, resulting in increased customer satisfaction and higher profits. With its ability to optimize constraints, margins and costs across production, distribution, inventory and procurement, Blue Yonder's solution can make a significant impact on your service levels and delivered costs as well as your asset utilization.

The ability to identify and resolve global supply chain problems — as well as improve planning velocity — can ensure that your entire supply chain is not only highly responsive to marketplace changes but also more resilient when faced with disruptions. Blue Yonder's solution senses disruptive events, and once an event is detected, arms planners with a playbook of resolution options that contain insight

into the associated cost-benefit trade-offs. Your planners won't be left scrambling to figure out what the best, most profitable courses of action are, and any negative impacts can be minimized.

## Simultaneous optimization of the entire supply chain

Traditional solutions generate sequential and isolated plans for inventory, production, distribution and procurement. The planning process is long and iterative, focusing on isolated improvements instead of global excellence. The resulting plan may have flaws, such as the inefficient transportation of material between plants, capacity shortfalls or overruns, and high inventory investments.

Supply planning is designed to help your business balance global objectives for demand satisfaction, inventory replenishment, asset utilization, inventory reduction, distribution and transportation while simultaneously taking into account capacity and material constraints. Blue Yonder's solution enables your planners to review, analyze and compare supply plans daily to maximize customer satisfaction while protecting your profits.

## Maximize profit by balancing supply chain costs with revenue-generating demand

You can balance supply against demand purely based on demand priority if you are under contractual obligation to meet such demand. However, when demand is greater than available capacity, supply planning provides profit optimization capabilities to help planners make intelligent decisions regarding which needs to satisfy.

In addition to factoring in material and capacity constraints, it models the revenue generated by demand along with the associated procurement, transportation, handling, manufacturing and inventory carrying costs. This creates a master plan that maximizes overall profit while respecting the other business objectives of your enterprise.

 Luminate Planning

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