

Is your F&B organization ready to conquer supply chain complexity?

Many of today’s food and beverage manufacturers must balance constantly changing material availability, seasonality constraints, and an increasingly fragmented supply chain. If your company is struggling with these challenges to maximize service levels against the lowest cost and environmental footprint—it doesn’t have to be this way.

Holistically conquer your challenges with modern supply chain planning tools

Demand planning

Having an accurate picture of demand can help you forecast for every item with confidence, based on history and future probability—regardless of whether it exhibits a consistent demand pattern; a standard seasonal pattern; or a sporadic, non-standard demand pattern.

Determining the right demand forecast:

- Advanced statistical forecasting applying the best fitting formula per time point
- Consumption rules and demand sensing
- Machine Learning using external data sources such as weather forecast
- Demand profiles with pre and post-promotion effects
- Seamless sales & operations planning workflow in one single platform

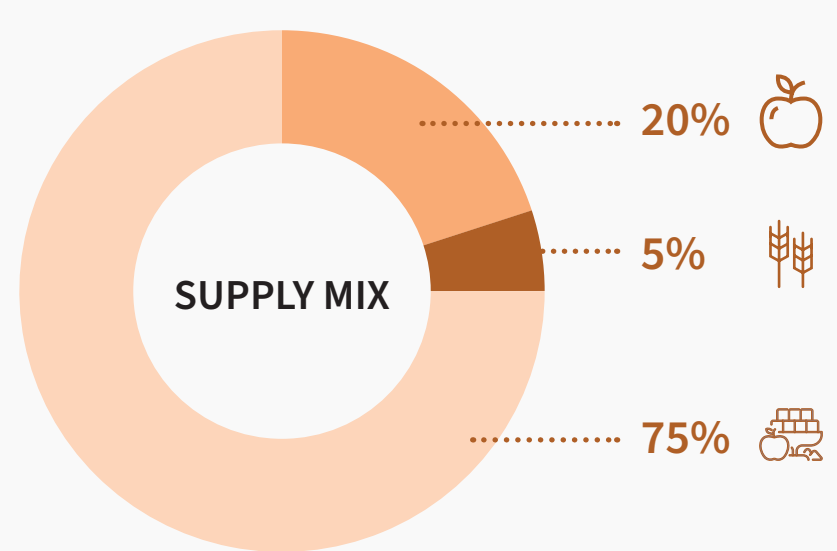


Supply planning

Working closely with suppliers and leveraging supply chain planning tools lets you evaluate “what if” scenarios and compare viability across inventory, sales, production, warehouse, and purchase analysis, so you can implement an optimized plan.

Determining the right supply mix:

- Constraint-based push-pull planning and yield optimization
- Balance service levels and cost of procurement, manufacturing, inventory and transportation
- Considering shelf-life constraints in stock build strategies
- Optimization of cutting patterns in the protein industry
- Scenario-driven consensus demand and supply plan

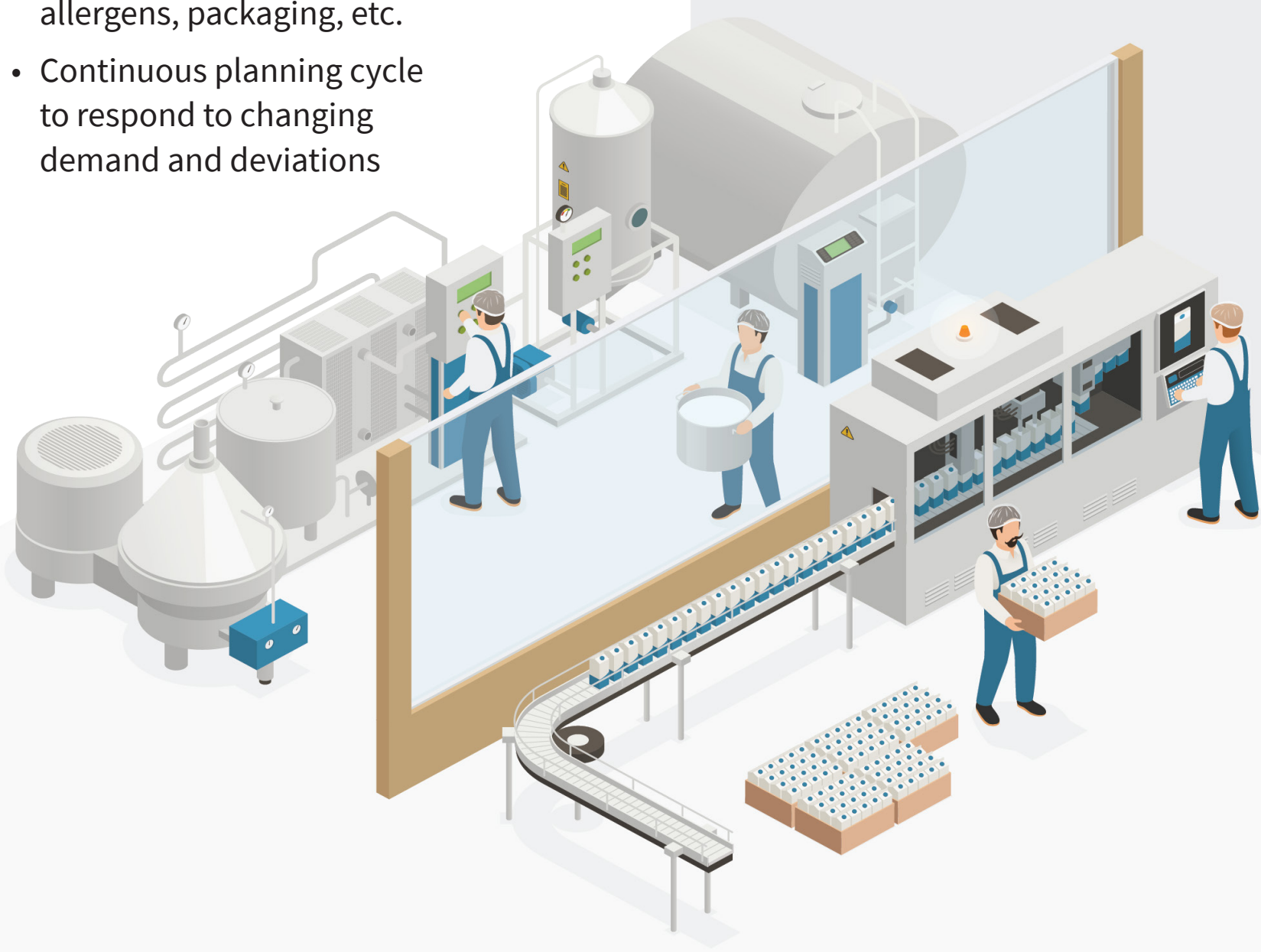


Production scheduling

If you mix, blend, brew, cook, react, or distill, you must be able to perform constraint-based scheduling to optimize product flow and resource capacity of vessels, tanks, and lines. Planners need to make on-the-fly adjustments for accurate and optimized production schedules.

Determining the right supply mix:

- Finite capacity scheduling for optimal use of equipment and workforce
- Push-pull synchronization of supply, bulk production and filling/packing lines
- Unique capability to consider capacities of tanks, silos, filling lines, flow rates, etc.
- Sequencing rules considering allergens, packaging, etc.
- Continuous planning cycle to respond to changing demand and deviations



Do more with less by better balancing supply and demand

Though you can’t control outside events, you can anticipate future conditions and capitalize on emerging trends. By moving away from siloed systems and disconnected data sets, a fully connected supply chain platform that addresses sophisticated planning requirements can position your company to achieve:



Demand planning

- Higher forecast accuracy
- Inventory levels and production volumes matched with promotions, seasonality and new product demand



Supply planning

- Less lost demand and product past its expiry date
- Less dependency on individuals among the planning staff
- Maximized yield of crops, livestock and milk
- Optimal service levels, against lowest sourcing, production, inventory, and transportation costs
- Data-driven responses to supply chain disruptions



Production scheduling

- Improved utilization of tanks, silos and production capacity
- Higher throughput during fewer operation hours, with less overtime and lower carbon footprint
- Respond to operational changes immediately
- Reduced risk of cross-contamination
- Reduced waste of food, water, detergents, and time

The connected supply chain

Food and beverage manufacturers understand supply chain success rests on the ability to effectively balance supply and demand. However, creating accurate forecasts, managing supply, and streamlining production require input from multiple stakeholders.

Read our executive brief **“Achieving end-to-end supply chain collaboration and visibility in food and beverage manufacturing”** to learn more.

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