



Technology That Loves Complexity

 Brochure

Aspen Supply Chain Planner™



Maximize business profitability by determining the optimal Supply chain plans for even the most complex supply chains

Aspen Supply Chain Planner develops the most optimal plan taking into account equipment, raw materials or feedstock, inbound/outbound transportation, storage capacity, and other variables and constraints. An easy-to-use interface with streamlined workflows helps you quickly navigate through supply chain complexity and enable your Sales and Operations Planning (S&OP) and/or Integrated Business Planning (IBP) processes.

Aspen Supply Chain Planner has helped customers realize the following benefits:

- Maximize business profitability by optimizing supply to profitably meet customer demand and business revenue goals.
- Quickly run strategic what-if scenarios and compare them economically side-by-side, quickly re-optimizing in response to changing business needs.
- Improve business process with a framework to enable Sales and Operations Planning and/or Integrated Business Planning.
- Increase user productivity by facilitating quick analysis and decision-making with an intuitive user interface.

The Challenge: So Many Variables, So Much at Stake

Determining a game plan for the most profitable fulfillment of anticipated demand can be a challenge due to changing business conditions and competing goals between functional units such as supply chain, marketing, finance, production, and procurement. In addition, to avoid major upsets the plan must proactively consider factors such as new product launches, seasonal spikes in product mix, plant shutdowns, and raw material availability.

The AspenTech Solution: Considering All Factors to Improve Profitability

Aspen Supply Chain Planner enables you to fully maximize margins while balancing supply and demand. It provides quick and easy access to the latest demands and supply capability of all plants in the network along with associated costs, allowing you to develop the most optimal plan. Aspen Supply Chain Planner typically determines production levels by product or family, location, and time period spanning your tactical (S&OP/IBP) processes and strategic planning processes. The goal is to meet expected demand in the most profitable manner while considering:

- Raw material availability and price
- Cost of changing production levels from one time period to the next
- Production costs
- Transportation costs
- Essential constraints



To obtain the best production and distribution plans, each business needs functionality to align as closely as possible with its unique practices and priorities. With Aspen Supply Chain Planner, model business operations from the most simple to the most complex for optimum results, in both make-to-stock and make-to-order environments.

Improve Sales & Operations Planning

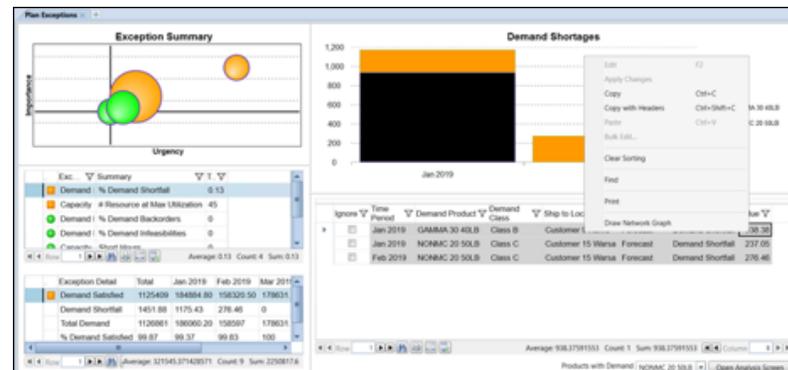
The role of Aspen Supply Chain Planner in the Sales & Operations Planning (S&OP) process or Integrated Business Planning (IBP) process is to focus on business-wide supply and inventory planning, specifically determining “where and when to make what.” It involves allocating production across various plants while minimizing transportation and operating costs. By considering holistically across source, make, deliver and sell dimensions, Aspen Supply Chain Planner provides a globally optimal solution while respecting capacity and other constraints. Issues addressed include:

- Determining where and when to procure raw or intermediate to procure raw or intermediate materials
- Sourcing production, both across and within plants
- Evaluating use of internal finite capacity versus purchases, tools, contract manufacturing options and/or exchange agreements
- Understanding timing and quantities of movements of intermediates between manufacturing sites

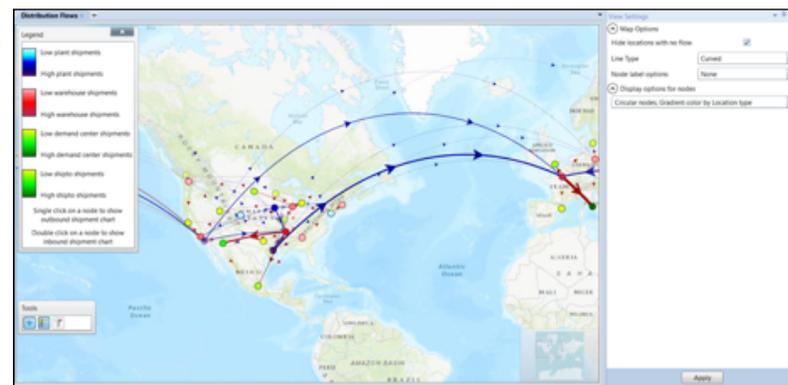
By enabling users to quickly hone in on the information that is most useful to them, Aspen Supply Chain Planner can help planners evaluate several what if alternatives and determine answers that will increase profits and improve customer service, all within the context of your unique business constraints.

Powerful What if Scenario Analysis

Aspen Supply Chain Planner boasts value-driven analysis capabilities that enable you to develop and compare multiple scenarios for your operations. Easily discern the differences between various “what-if” scenarios through graphical or tabular



Advanced exception reporting supports the S&OP process by providing quick identification of the most critical problems and constraints.



Interactive supply chain maps and graphing capabilities provide visual representation of supply and demand points, distribution flows, and economic information for a given scenario.



comparison. With the scenario analysis capability, you can simulate your business by building custom scenarios around potential business conditions such as demand spikes, competitor activities, or proposed changes in capacity including shutdowns.

S&OP/IBP Analytics

Publish Aspen Supply Chain Planner data to Aspen Enterprise Insights to enable web-based S&OP/IBP analytics for enterprise-wide reporting and access to data and analysis during the planning process. These capabilities allow you to attain real-time visibility into your current situation by combining data from your ERP and production systems, as well as results from your planning and scheduling tools, for a complete picture of your supply chain.



Leverage the Aspen Enterprise Insights hybrid-cloud platform for S&OP/IBP KPI monitoring and workflow enablement.

Functions	Benefits
<p>ENTERPRISE PLANNING AND DECISION SUPPORT</p> <ul style="list-style-type: none"> • Build optimal production, distribution, and inventory plans • Calculate optimal inventory target levels for raw materials, intermediates and finished goods • Provide an industry leading user interface with easy navigation and a Microsoft® look and feel • Enjoy flexible architecture and blazingly fast in-memory processing 	<ul style="list-style-type: none"> • Optimizes supply to profitably meet customer demand and business revenue goals • Enables planners to quickly re-optimize plans to respond to unplanned events in a time-frame that meets business needs • Enables users to quickly discover and access advanced functions • Performs quickly when optimizing or manipulating large amounts of data
<p>SALES & OPERATIONS PLANNING (S&OP) INTEGRATED BUSINESS PLANNING (IBP)</p> <ul style="list-style-type: none"> • Support S&OP process with production and distribution plans by product, customer, family, region, facility, or any other category • Determine the optimal use of resources and sourcing patterns • Advanced exception reporting easily identifies problems or constraints in the supply plan • Enable dynamic inventory targets 	<ul style="list-style-type: none"> • Provides a framework for cost reduction and service improvement • Delivers increased plan development and analysis, allowing the business to consider more alternatives • Evaluates alternate scenarios quickly in S&OP meeting • Re-optimizes inventory targets rapidly to support management goals
<p>SIMPLE OR COMPLEX BUSINESS SITUATION MODELS</p> <ul style="list-style-type: none"> • Model supply/demand points and intermediate storage facilities • Handle make-to-stock and make-to-order manufacturing environments • Work faster with 64-bit computing 	<ul style="list-style-type: none"> • Reveals previously unrecognized constraints so they can be addressed • Balances trade-offs between all constraints to meet management goals • Solves larger, more complex problems in less time
<p>WHAT IF SCENARIO ANALYSIS</p> <ul style="list-style-type: none"> • Provide value-driven analysis capabilities to develop multiple scenarios • Summarize key variances and key variances across scenarios • Provide quick and easy data editing, filtering, and drilldown capability into details behind each scenario 	<ul style="list-style-type: none"> • Enables planners to perform rigorous business simulation and compare multiple scenarios for operations across multiple plants • Allows insight into potential business conditions such as demand spikes, competitor activities or proposed changes in capacity
<p>REPORTING</p> <ul style="list-style-type: none"> • Provide reports in graphical and tabular formats that are easily customizable • Personalize work areas to allow users to save favorite screen configurations • Deliver web-based IBP and S&OP Planning reports for enterprise-wide access to data and analysis during the planning process 	<ul style="list-style-type: none"> • Improves decision-making capability and enterprise-wide collaboration • Increases productivity by customizing the layout to a user's specific needs • Improves data collection and consolidation, providing a single source of truth • Provides visibility into the latest supply plans and scenarios at desired level of detail

About Aspen Technology

Aspen Technology (AspenTech) is a leading software supplier for optimizing asset performance. Our products thrive in complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with machine learning. Our purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets safer, greener, longer and faster. Visit [AspenTech.com](https://www.aspentech.com) to find out more.

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