

# Production Planning



## Anaplan Supply Chain Planning



### Demand Planning

Product Lifecycle Planning | Marketing | Trade Promotion Planning | Commercial Planning  
Demand Planning | Consensus Planning



### Supply Planning

Inventory Management  
Production Planning



### Collaboration

Customer Collaboration  
Supplier Collaboration



### Executive S&OP

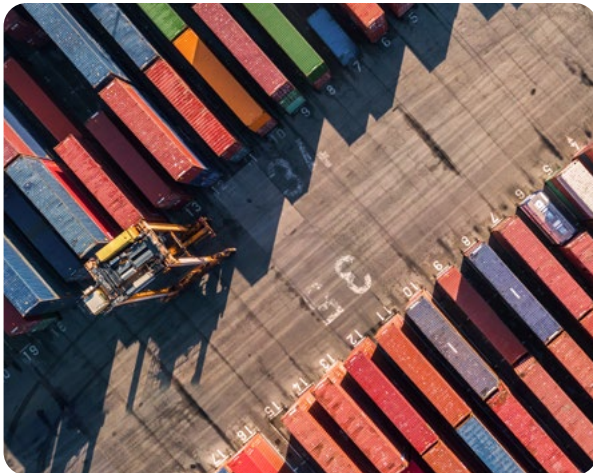
Reviews and Strategy

When you're looking to fill demand, the key questions for your operations team are "What to make, how much to make and when to make it." Getting the answers to these questions is difficult and complex which requires your team to engage in hours of tedious and time-consuming calculations. This is further compounded by a variety of planning data, which creates a huge number of combinations and permutations.

Traditional planning systems use a business rules calculation methodology to develop the production plan – but this takes time and tends to produce a sub-optimal answer, resulting in poor operational and financial metrics. To break free of these limitations, you need a modern, fast problem-solving solution.

## Intelligent and optimal planning of production

Managing demand by providing the necessary supply is a challenge for even the best companies. Trying to meet that challenge is made harder when you're forced to work with dated technologies or concepts. You need speed, intelligence and a data-driven view to build an accurate demand plan – which is where Anaplan Production Planning changes the game. Leveraging advanced optimization algorithms with Anaplan Optimizer, Anaplan Production Planning computes the optimal plan based on the combinations and permutations of the planning data. Using defined goals or objectives, it drives the desired operational and financial outcomes based on stated constraints.



**Anaplan Production Planning reveals the impact of tactical changes through powerful scenario modelling. With it, you'll:**

- Develop an optimal plan based on revenue, margin, or demand priorities (customer, due date) while respecting material and capacity constraints
- Ensure that demand is fulfilled based on their priority and revenue expectations
- Maximize resource utilization while ensuring lean material levels
- Identify resource bottlenecks for remedial action to address order lateness
- Determine any material shortages so that they can be filled or expedited
- Perform multiple scenarios, compare results, and commit preferred option to the current plan
- Based on the optimal plan, generate planned production and purchase requirements recommendations, which can be fed into the ERP system for execution



**You can perform all the above tasks and processes automatically, within seconds to minutes.**

# Features

## **Anaplan Optimizer**

Anaplan's optimization engine helps determine which course best propels your business forward. It provides a simplified way for you to consider billions of possible solutions and multiple options or routes to solve a business issue, suggesting the best path.

## **Simultaneous Planning**

You need to consider multiple data points when seeking an accurate, effective production plan. Anaplan Production Planning considers all planning data and provides an optimal answer for capacity and material requirement.

## **Objectives Optimization**

Production Planning gives you the power to optimize your production plan based on objectives or goals. For example, the solution can plan to maximize revenue or margin, minimize order lateness, avoid penalties, maximize resource utilization, and more.

## **Order Promising**

Your sales organization needs to let your customers know when they can expect their orders. Production Planning determines when the earliest orders can be delivered based on the planning data, parameters, production, purchasing, etc.

## **Capacity Planning**

Knowing the exact capacity required to support demand is critical when you're planning for production. Anaplan Production Planning considers the routing and process times and planning data to determine the required capacity. You can fix or adjust capacity limits to determine the order delivery dates.

## **Material Planning**

Production Planning evaluates the demand plan, bill of materials, inventory positions and planning data to determine your material requirements. For example, each level of the bill of materials, routing and lead time is used to determine when materials are required.

## **Order Recommendation**

Once Production Planning has optimized the production plan to support demand across the planning horizon, it generates recommended planned orders for production and purchasing. These planned orders can be published to the ERP system for execution and order management.

## **Powerful Scenario Modelling**

You often make tactical changes to your production plan, but too often the consequences of those changes can't be fully anticipated. Scenario modelling allows you to simulate the desired changes – for example, accepting a large order and the impact it has on other orders – and compare the results quickly and easily.

## **Strategic Planning**

The Executive S&OP process and future business planning depends on your organization knowing the expected resource requirements of the next fiscal years. Production Planning plans the resource requirements based on expected revenue growth year over year. This provides guidance on the expected investments required to support the revenue growth

## **Stand-alone or Integrated**

Anaplan Production Planning can be deployed as part of the Anaplan Supply Chain Planning solutions, which include Demand Planning, Inventory Planning and Executive S&OP. Alternatively, it can be deployed in a stand-alone mode with other legacy systems or third-party vendor's products.

# Process Capabilities



## Setup

- Assign Products to Plants/DCs
- Assign Locations / Products to Customers
- Product Run-time and BOM data
- Alternate Production Versions
- Supplier Master Data Transportation Plant -> Customer
- Transportation Plant -> DC -> Customer
- Resource Profiles



## Update

- Opening Inventory
- Target Stock Plant
- Demand Plan
- Target Stock DC
- Capacity Planning
- Locked Production Orders
- Raw Material Planning
- Time and Global Settings



## Analyze

- Input Validations
- Production Planner Dashboard
- Scenario Comparisons
- Production Plan Demand View
- Production Plan (FG)
- Production Plan (FG and BOM)
- Production Plan Material View
- Production Plan Capacity View
- Production Plan Financial View
- Constrained Materials
- Constrained Resources
- Supply Allocation

## Benefits

- Reduction in inventory and production cost
- Increased revenue and margin
- Improved delivery and fill rates
- Higher customer satisfaction
- Better asset utilization
- Improved supplier collaboration and commitment
- Resource Profiles

## Outcomes

- Rapid planning of production to meet demand
- Generate intelligent, realistic and optimal supply plans
- Efficient utilization of resources
- Improved customer service
- Maximize financial performance and returns on asset

## About Anaplan

Anaplan is the only scenario planning and analysis platform designed to optimize decision-making in today's complex business environment so that enterprises can outpace their competition and the market. By building connections and collaboration across organizational silos, our platform intelligently surfaces key insights — so businesses can make the right decisions, right now.

More than 2,400 of the world's best brands continually optimize their decision-making by planning with Anaplan.

To learn more, visit [www.anaplan.com](http://www.anaplan.com)