JD EDWARDS ENTERPRISEONE SUPPLY CHAIN PLANNING

ORACLE
JD EDWARDS ENTERPRISEONE

KEY FEATURES

- Adaptive best-fit statistical forecasting models
- Multiple stakeholder forecast collaboration
- Global supply chain network optimization with dynamic sourcing
- Lowest cost or highest profit focused planning
- Simultaneous planning of procurement, manufacturing, distribution and storage
- Constrained or unconstrained planning
- Multi-currency optimization
- Risk management simulation for unplanned events
- Advanced analytical views (network map, network flow, Gantt and bar charts, line graphs)
- Graphical demand-supply pegging
- Multiple scenario comparisons with KPIs
- Real-time alerts with root cause drilldowns
- Automatic resource bottleneck detection
- Intelligent resource offloading with resource dependent preferences, costs, rate, lot-size, setups
- Sequence dependent setup optimization
- Campaign run optimization
- Planning in second, day, week, month and year buckets
- Co-products and by-products
- Finished good and component substitution
- Demand priorities

Do you want to design your most optimal supply chain network? Do you want to implement a more streamlined Sales and Operations Planning process? Do you want to reduce your inventory levels while improving your customer service at the same time? Do you want to reduce your supply chain planning cycle time to improve the responsiveness of your supply chain? Do you want to promise orders more accurately and quickly? JD Edwards EnterpriseOne Supply Chain Planning is a comprehensive planning solution that delivers actionable supply chain plan that reduces supply chain expenses and maximizes supply chain performance.

Overview

Oracle's JD Edwards EnterpriseOne Supply Chain Planning allows you to deal more cost effectively with today's tough conditions including higher degrees of uncertainty, increased global competition, mass customization, customer service, and less money to invest in anything. Unfortunately, typical responses to those conditions are to hold excess inventory, reserve production capacity, and expedite everything - responses that stem from disconnected planning processes that are difficult to synchronize and have insufficient visibility.

JD Edwards EnterpriseOne Supply Chain Planning delivers a better solution - a holistic, collaborative planning solution that spans demand planning, strategic planning, sales and operations planning, distribution planning, master production planning, material planning, real-time order promising and detailed finite scheduling. Because JD Edwards EnterpriseOne Supply Chain Planning is built on *information* (instead of inventory), you can be more responsive, which directly translates into improvements to your top and bottom line performance.

JD Edwards EnterpriseOne Supply Chain Planning seamlessly operates with the other JD Edwards EnterpriseOne Suite components including order management, manufacturing, procurement, transportation management and warehouse management to provide the most comprehensive solution to manage your extended supply chains.

The Supply Chain Planning collection of JD Edwards EnterpriseOne modules includes these integrated products:

- Strategic Network Optimization
- Production and Distribution Planning
- Order Promising
- Production Scheduling
- Supply Chain Business Modeler

Strategic Network Optimization: Design Your Most Profitable Supply Network

Employ strategic network design through Strategic Network Optimization. You optimize your global network using a variety of demand scenarios as input and compare many potential network configurations while taking all supply chain elements (distribution centers, manufacturing facilities, customer and supplier locations, and stores) into account, as well as ship methods, transportation cost, sourcing cost, operating cost, facility ramp-up and shutdown cost, labor cost, storage cost, and currency valuations.

Strategic Network Optimization enables you to determine the best sourcing and inventory strategies to drive your supply and inventory planning processes. Comprehensive simulation capabilities take into account outsourcing decisions, demand fluctuations, currency impacts, capacity fluctuations, and merger and acquisition strategies, all presented in a highly interactive and graphical workbench. Risks can be intelligently evaluated and mitigated through the ability to simulate unplanned disruptive events, such as labor problems, supply failures, and natural disasters.

Production and Distribution Planning: Reduce Tactical Planning Cycle Time

The shorter your planning cycle time, the more responsive you can be to changes in supply and demand. Moving from a monthly or weekly planning cycle to a daily or several times daily cycle reduces inventory, expediting and overtime costs while improving customer service. Production and Distribution Planning is a complete tactical planning solution with simultaneously planning distribution, manufacturing and materials. Considering distribution, manufacturing and materials constraints and costs together ensures that the plans generated are feasible across your business and deliver the lowest total cost. Planning cycle time is dramatically reduced because all your plans are generated by a single solve rather than through time consuming and repeated iterations of deployment plans, master production plans and material plans striving for some level of resource feasibility.

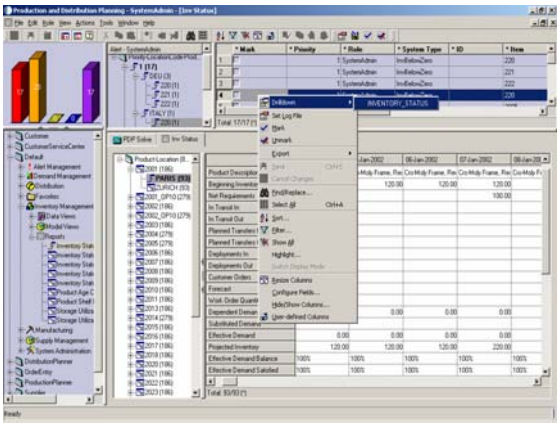

Figure 1. Production and Distribution Planning Alert Drilldown

Order Promising: Improve On-Time Delivery with Real-time Order Promising

Order Promising provides the ability to make accurate sales order date commitments to your customers in real-time. Order Promising avoids making blind and inaccurate commitments based on standard leadtimes because Order Promising understands the current state of your inventory and resource capacities. This delivers reductions in average quoted leadtimes to your customers and dramatically improves your ability to deliver on your customer commitments. Real-time commitment is particularly important in highly competitive

environments: if you cannot immediately commit to the customer's requested date (or at least negotiate an achievable later date), the customer will place the order with your competitors. Order Promising enables you to make accurate customer commitments in seconds rather than potentially spending days planning the manufacturing and procurement associated with the order.

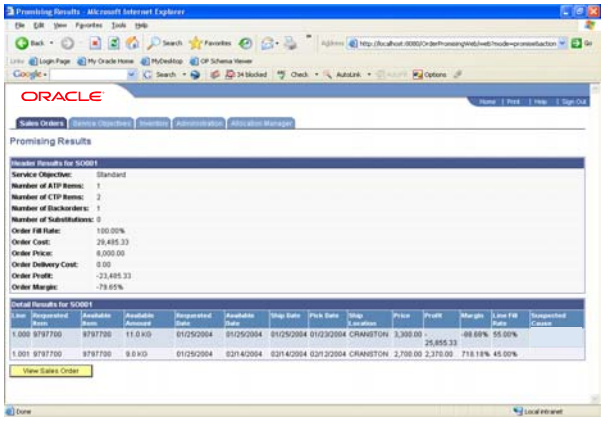

Figure 2. Order Promising: Profitable-To-Promise

Production Scheduling: Improve your Factory Throughput

After you have promised your orders, you can still be faced with throughput issues on the shop floor as a result of production bottlenecks and disruptions. Production Scheduling enables you to model your shop floor accurately, create optimal schedules and to react quickly to changes on the shop floor. You can model sequence dependencies, batching, production campaigns, alternate resources, operations, and routings, co- and by-products, contiguous operations, complex setup and change-over scenarios, and lead times. Based on this detailed and accurate factory model, Production Scheduling quickly creates schedules that respect all resource, material and multi-stage constraints and support your specified business objectives like minimizing inventory or time lost to machine setups. This synchronizes your various factory departments, reducing work in process and maximizing factory throughput.

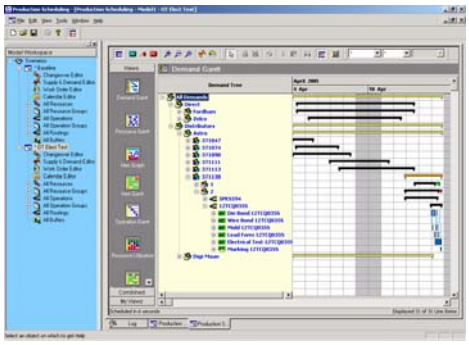

Figure 3. Production Scheduling Schedule Builder

Execute Your Strategic Decisions using Successive Plan Refinement

JD Edwards EnterpriseOne Supply Chain Planning is a complete, holistic solution that leverages a concept called **Successive Plan Refinement**. Successive plan refinement delivers synchronization across planning and execution, as well as the ideal level of detail across the various planning processes. Strategic demand and supply planning are typically monthly processes using monthly buckets over a two year horizon. Tactical planning is typically a daily or weekly process using daily and/or weekly buckets over a 2-3 month horizon. Finally operational planning like factory scheduling is typically performed several times daily, using bucket-less second-by-second event detail over a 4 week typical horizon.

Successive refinement maintains synchronization across the planning levels through

"objectives."

For example, the strategic plan may plan to build inventory for seasonal demand spikes, so the strategic plan will pass an inventory prebuild target objective to the tactical plan and this ensures the inventory prebuild is part of the tactical plan. Similarly, strategic manufacturing and purchasing sourcing decision objectives can be passed from the strategic to the tactical plan. This ensures that net requirements passed from the tactical plan to the factory schedules are consistent with the higher level decisions made.

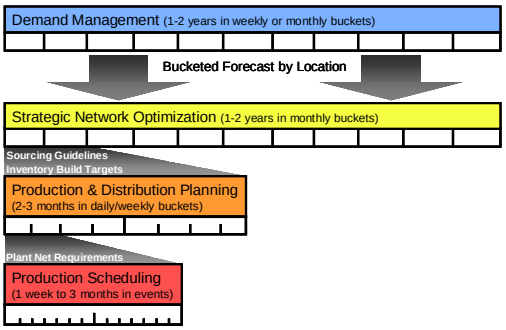

Figure 4. Successive Plan Refinement Basis

Incremental Deployment. Get Benefits Quickly.

You can deploy all JD Edwards EnterpriseOne Supply Chain Planning products incrementally, enabling you to start with a smaller planning footprint quickly, while still leveraging the tight integration once all components are operational. Each additional module requires limited incremental effort to implement since all of the components share a common integration foundation (Supply Chain Business Modeler) and work together seamlessly. If your shop floor throughput poses the most challenges to your business, you can decide to implement Production Scheduling first. Alternatively, you can enable it later as an add-on to your existing implementation of other JD Edwards EnterpriseOne Supply Chain Planning products, leveraging all of your existing setups.

Oracle Offers a Complete Solution for Supply Chain Planning

JD Edwards EnterpriseOne enables you to efficiently manage customer processes, manufacture products, ship orders, collect payments, and more - all from applications that are built with unified information architecture. This information architecture provides a single definition of your customers, suppliers, employees, and products - all aspects of your business.

With the above Supply Chain Planning modules from JD Edwards EnterpriseOne, you can also integrate other best-of-breed Oracle supply chain products including:

- Oracle Predictive Trade Planning and Optimization (Demantra)
- Oracle Real-Time Sales and Operations Planning (Demantra)
- Oracle Demand Management (Demantra)

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