

**3DEXPERIENCE®**

HIGH-TECH **SMART SUPPLY CHAIN**

Increase your supply chain's predictability, agility, and speed



TURN YOUR SUPPLY CHAIN INTO A COMPETITIVE ADVANTAGE

Today's high-tech manufacturing supply chain is an increasingly complex web of functions, partners, customers, and channels that operate independently of one another. Disruptions are accelerating, further unsettling an environment already prone to changing conditions. A conventional supply chain simply cannot cope, let alone deliver the performance you need to win big in the market today.

Smart Supply Chain Industry Solution Experience based on Dassault Systèmes' **3DEXPERIENCE®** platform is created for High-Tech manufacturers to help them achieve superior delivery performance. It integrates, plans, and optimizes key functions across your supply chain—from sales and operations planning (S&OP) to master production scheduling, workforce, and logistics—on a single platform for improved efficiency, productivity, and profitability. Customized to fit your business and powered by world-class optimization technology, Smart Supply Chain takes into account rules and constraints to support supply-chain-related decision making across multiple time planning horizons.

KEY BENEFITS :

- Achieve time-to-market targets with optimized production scheduling and logistics planning
- Re-plan and re-optimize for the best possible plan at any point in time
- Reduce business risk with accurate demand and supply forecasts
- Increase cross-functional intelligence with collaborative decision making

SALES AND OPERATIONS OPTIMIZATION

Smart Supply Chain breaks down silos and fosters real-time collaboration by providing your S&OP team with visibility into the factors affecting sales, marketing, finance, and operations. The solution's collaborative forecasting and supply planning capabilities enable creation of accurate consensus demand forecasts and supply plans that are driven by financials, yet take rules, financial constraints, and various Key Performance Indicators (KPIs) into account. One of **Smart Supply Chain's** advantages is the what-if? scenario planning capability, which remains a leader in the market. Your S&OP team can rapidly create an accurate base operating plan, test it against multiple scenarios, and evaluate each outcome to find the best alternatives to meet, or even exceed, KPIs. It is at this stage that the greatest potential for revenue and margin increase can be found.

FEASIBLE AND FLEXIBLE PLANS

Having plans that can be executed on the shop floor with little to no deviation is key to keeping inventory levels low, improving delivery performance, and minimizing waste. Embedded with advanced analytics, **Smart Supply Chain** captures data coming from various sources and produces meaningful insights that are relevant to your business. These insights serve as a basis for generating plans accurate enough to work in your manufacturing environment, yet flexible enough to accommodate day-of-operations disruptions without missing customer commitments. While planning is automated with **Smart Supply Chain**, room is always reserved for human judgment and intervention. Spared from tedious manual planning, your planners can invest more time in making faster and smarter tactical decisions.

ON-TIME DELIVERY

Whether it's inbound, interplant, or outbound transportation, your logistics operations is a web of depots, vehicles, and customers, each with unique constraints. Superior optimization technology embedded within **Smart Supply Chain** enables outstanding delivery performance using fewer miles and resources, with less cost. Your managers, planners, and dispatchers have end-to-end visibility, which gives them control over your logistics operations—from long-range network strategy planning to daily workforce scheduling and route planning. With **Smart Supply Chain's** optimizer, which comes with an auto-tuning capability, they can easily and quickly refine and re-plan whenever conditions change. They can confidently accommodate last-minute changes and delays without jeopardizing delivery KPIs.

COMPREHENSIVE, YET FLEXIBLE WORKFORCE PLANNING

Optimizing human capital can have great impact on your bottom line. When planning and optimizing your workforce, **Smart Supply Chain's** custom fit model takes into account constraints unique to your employees, such as skills and qualifications, contract-specific requirements, labor regulations, and resource availability. It supports decision making for planning multiple time periods—from long-term capacity building to daily real-time rescheduling—with the aim to maximize utilization and efficiency, and reduce overtime costs. **Smart Supply Chain** is more than just about efficiency; it gives employees the freedom and flexibility to control the way they work. Employees can state preferences and bid on shifts while on-the-go using **Smart Supply Chain's** mobile application. A happier workforce will ultimately translate into long-term results, such as improved productivity and quality, and happier customers.

For more details about the Smart Supply Chain Industry Solution Experience, visit:
www.3DS.com/high-tech/smart-supply-chain

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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