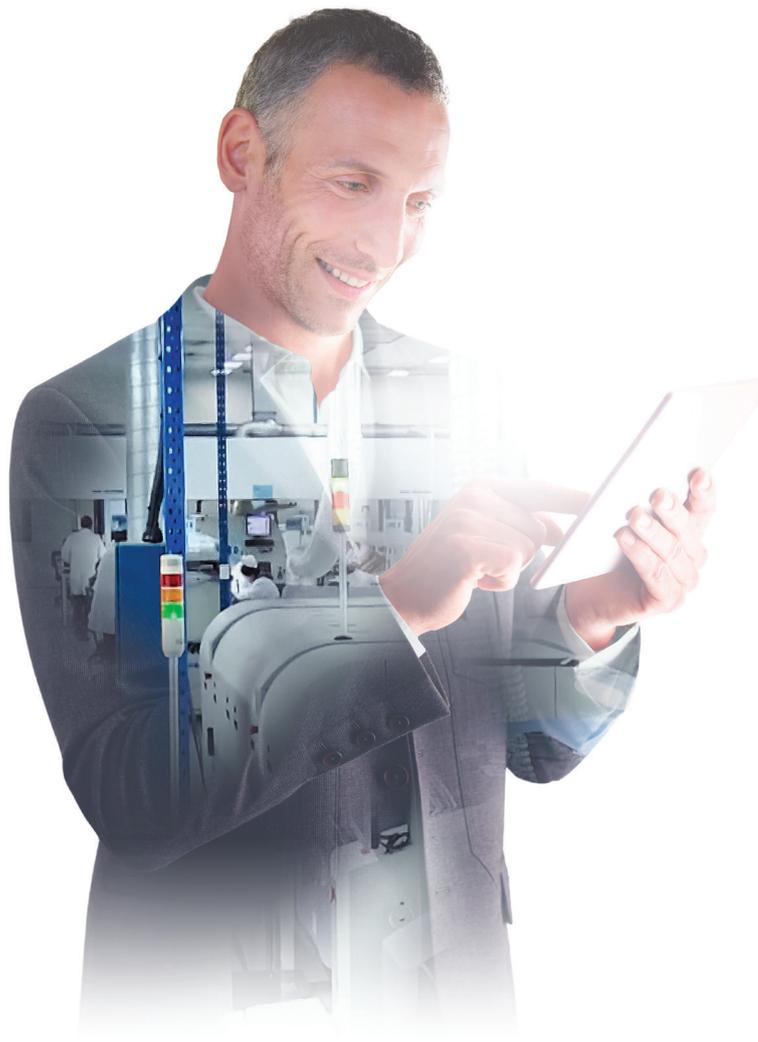


**3DEXPERIENCE®**

# HIGH-TECH HIGHLY FLEXIBLE MANUFACTURING INDUSTRY SOLUTION EXPERIENCE

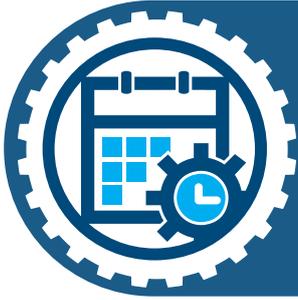


## **TRANSFORM YOUR PRODUCTION AND SUPPLY CHAIN TO GAIN FLEXIBILITY, EFFICIENCY, AND SPEED**

The Industrial Internet of Things (IIoT) is a synonym for the new competitive landscape of High-Tech companies' manufacturing business. New technologies like self-optimizing systems raise the performance threshold of existing production sites while lowering the barriers for new market players and models. At the same time, a much higher level of digitization empowered by Big Data and the real-time connection between people, operations, and resources accelerates the pace of global production optimization.

Digitizing the shop floor or deploying best practices have led to important improvements, while further productivity and flexibility gains will depend on how an organization is able to manage complexity for fast adoption to market needs. In this context, the ability to capture and interpret vast amounts of data and turn it into business decisions and execution is critical.

# FLEXIBLE MANUFACTURING WITH THE 3DEXPERIENCE® PLATFORM



## Operations & Demand Planning

**Highly Flexible Manufacturing** provides digital continuity across operations & demand planning, manufacturing planning, and real-life manufacturing execution. It empowers decision-making and enables a full understanding of impacts to the business and value chain.

**Highly Flexible Manufacturing** supports any manufacturing model and leverages existing tools. The solution is flexible to in-house or out-sourced, small or large, high- or low-volume manufacturing environments. Implemented on an enterprise scale, it enables manufacturers to define, control, and optimize global operations across multiple sites and functions.

## OPERATIONS & DEMAND PLANNING

### Connect advanced demand planning to real-life operations.

Before product launch and during the lifecycle, manufacturers need to be able to constantly optimize production schedules, procurement processes, transportation, and storage against defined Key Performance Indicators (KPIs).

**Highly Flexible Manufacturing** delivers advanced optimization capabilities to simulate any scenario and answer all 'what-if' questions, providing valuable insights for optimal decision-making. Manufacturers can optimize personnel scheduling, resources, and processes in a single planning environment at any time.

## DIGITAL MANUFACTURING

### Synchronize product engineering and production planning.

The traditional "hand-over" process from R&D to manufacturing is too costly, time-consuming, and error-prone for High-Tech manufacturers who need maximum flexibility and precision to adapt to dynamic market conditions.



## Digital Manufacturing

**Highly Flexible Manufacturing** provides best-in-class, 3D-enabled capabilities for manufacturing planning and plant layout, delivered on a common platform with R&D. This enables fully concurrent product engineering and production processes fueled by intelligent, automated change propagation and impact analysis that drive fast responses to design and planning changes.

## MANUFACTURING EXECUTION

### Leverage the virtual model for optimized real-life operation.

Manufacturers seek to transform their real-life operations to be more demand-driven and responsive. They need to quickly and easily adapt manufacturing processes to eliminate waste and standardize processes on a global scale.

**Highly Flexible Manufacturing** provides enterprise-wide manufacturing operations and supply chain visibility and intelligence fully integrated with ERP and PLM systems to provide the shop floor with validated process plans and accurate visual work instructions. The solution delivers up-to-the-minute information on every element of manufacturing: people, processes, equipment, tooling, materials, specifications, and suppliers. Actionable dashboards, alerts, KPIs, and focused analytics provide a true understanding of manufacturing to help ensure predictable order fulfillment.

**For more information, visit:**  
[3ds.one/highly-flexible-manufacturing](https://3ds.one/highly-flexible-manufacturing)



## Manufacturing Execution

## 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 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

