

HIGH-TECH **MAKE TO PROMISE** **INDUSTRY SOLUTION EXPERIENCE**

Transform global production to
maximize flexibility and efficiency



High-tech manufacturers are under unprecedented pressure to continuously improve efficiency, quality, and responsiveness—all while product variability increases and lifecycles shrink. To achieve operational excellence, manufacturers need visibility and control that extends beyond the shop floor to all manufacturing operations and the supply chain.

Deployed with existing systems, the flexible **Make to Promise** Industry Solution Experience powered by Dassault Systèmes **3DEXPERIENCE®** platform helps deliver global visibility and control. It enables high-tech manufacturers to optimize and synchronize activities and resources on a global scale, including labor, materials, machines, and processes across internal operations, as well as supplier and subcontractor networks.

KEY BENEFITS

- Reduce Time-to-Volume up to 50%
- Reduce defect containment time up to 80%
- Improve global production efficiency up to 50%
- Improve manufacturing throughput up to 25%
- Improve operating margin by 2–6%

GLOBAL VISIBILITY AND CONTROL FOR FLEXIBLE PRODUCTION

In today's complex high-tech markets, leading manufacturers recognize that successfully managing manufacturing operations requires global visibility and control across production, warehousing, quality, and supply. **Make to Promise** Industry Solution Experience helps deliver this global visibility and control through a flexible, platform-based solution that adapts to different manufacturing models and supply chain strategies. Because visibility and control are both global and real-time, **Make to Promise** enables high-tech manufacturers to respond quickly to unexpected events and changes driven by product and process innovation and market conditions.

REAL-TIME INTELLIGENCE FOR GLOBAL HIGH PERFORMANCE

Based on more than a decade of experience with best-in-class manufacturers, **Make to Promise** serves as a powerful self-service resource for real-time insights and intelligence across the global supply network. It mines and normalizes data from disparate system sources to render customizable intelligence for every user—from the corner office to executives in operations, manufacturing, IT, quality, supply chain, and plant management. These real-time insights are invaluable to accelerate new product introduction, identifying and addressing potential defects and production bottlenecks, achieving rapid improvement, and aligning manufacturing operations with business performance targets.

For more details about Dassault Systèmes **Make to Promise** Industry Solution Experience and how it can help your organization achieve worldwide operational excellence, visit www.3ds.com/high-tech/make-to-promise

STANDARDIZING BEST PRACTICES FOR QUALITY AND COMPLIANCE

Make to Promise uses a Business Process Management (BPM) architecture that supports a common data model across all resources and activities. Processes can be easily managed, adjusted, and improved from end to end, spanning production, warehousing, quality, maintenance, and time and labor. Standardizing on best practices supports Lean, Six Sigma, and other continuous improvement initiatives, while maximizing First Time Quality (FTQ) rates. In addition, real-time monitoring and measurement helps minimize defect exposure with better and more rapid containment when adverse quality events occur. Additional analytic capabilities provide traceability and root cause analysis that can be used to refine and update best practices.

IMPROVE OPERATIONAL EXCELLENCE WITH SUPPLY CHAIN MANAGEMENT STRATEGIES

Make to Promise can provide greater and more detailed visibility into production, warehousing, and supply chain operations. Improved visibility helps effectively implement supply chain strategies more effectively. Manufacturers can take advantage of global visibility to allocate material supply across the global supply chain for better risk pooling. Seamless integration of quality, logistics, and production enabled by **Make to Promise** allows postponement to be executed with new efficiency.

ADVANCED CONNECTIVITY TO CAPITALIZE ON SMART MANUFACTURING AND IOT INNOVATION

With the rise of Smart Manufacturing and the Industrial Internet of Things (IIoT), manufacturers are increasingly using sensors and machine-to-machine (M2M) technology to communicate directly or via the cloud to support core innovation and efficiency initiatives. **Make to Promise** can help high-tech manufacturers capitalize on this transformation. This a global Manufacturing Operations Management (MOM) that can efficiently integrate with energy management, quality control, supply chain, and Enterprise Resource Planning (ERP) systems. **Make to Promise** provides access to native machine data and M2M communications over the network, so automated responses can be executed and critical data can be shared for enhanced decision support across the organization.

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 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

