



**3DEXPERIENCE®**

# HIGH-TECH HIGH-TECH OPERATIONAL EXCELLENCE INDUSTRY SOLUTION EXPERIENCE



## **FOSTER EFFICIENCY AND AGILITY IN DEVELOPING CONFIGURABLE PRODUCTS AND SOLUTIONS**

Global High-Tech markets are fiercely competitive, and the pressure is intense to shorten cycle times and respond swiftly to rapid changes in technology and customer demand. High-Tech manufacturers need breakthrough advances in organizational agility to react quickly to changing market conditions while mastering complex production and compliance processes.

Leading High-Tech innovators know optimizing processes alone is not enough to achieve this efficiency and agility. That is why they trust the **High-Tech Operational Excellence** Industry Solution Experience powered by the Dassault Systèmes 3DEXPERIENCE® platform. It enables companies to orchestrate and synchronize a broad spectrum of skills and resources across all engineering, business, quality, and compliance disciplines to support fast, profitable delivery of compliant, customer configurable products and solutions that deliver superior customer experiences.

## KEY BENEFITS :

- Improve efficiencies by better synchronizing cross-discipline resources, processes, and roadmaps
- Boost competitiveness with modular strategies for quick adaption to changes in technology and customer demand
- Improve any-time visibility on design, engineering or manufacturing processes, issues and potentials leveraging integrated PLM Analytics capabilities
- Reduce development cost by maximizing re-use of IP and by optimizing component sourcing during design
- Secure compliance with quality and regulatory standards by forcing control on regulatory declaration processes

## CAPTURE AND ENFORCE THE VOICE OF THE CUSTOMER

To stay competitive, High-Tech manufacturers need to continuously capture and enforce customer, regulatory, and market-driven standards and requirements. The Traceable Requirements Management feature in **High-Tech Operational Excellence** provides a shared environment, unified requirements management, and unified traceability to ensure requirements are captured, managed, understood, and fulfilled throughout the design, implementation, and testing of final products.

## PROVIDE INVISIBLE GOVERNANCE ACROSS AGILE OPERATIONS

**High-Tech Operational Excellence** enables Deliverable-based Project Management by intrinsically connecting business and engineering assets in a global project architecture. This architecture is supported by dynamic project dashboards that provide real-time visibility on project schedules, milestones, resources, costs, and benefits, while avoiding governance overhead. Enriched by comprehensive analytics capabilities, manufacturers can map critical resources with the most profitable product innovations while continuously evolving their platform strategy.

## MEET GLOBAL DEMANDS WITH CUSTOMER CONFIGURABLE PRODUCTS

To make it easier for manufacturers to bring tailored products to market faster and with less R&D investment, **High-Tech Operational Excellence** provides a Product Variants & Technology solution for building generic product structures across product lines and establishing a library of standard

features. The solution also delivers capabilities that aid in evaluating the design feasibility of new product configurations while finding the right balance between re-use and variability.

## MAKE COMPLIANCE A COMPETITIVE ADVANTAGE

The **High-Tech Operational Excellence's** Compliance Management solution makes Design for Compliance an integral part of the product development process. It helps reduce compliance overhead with centralized access to continuously updated material data and regulatory information throughout a product's lifecycle. It also helps automate material declarations and material compliance analysis and reporting. As a result, High-Tech companies can reduce risks and more easily achieve multi-market compliance.

## OPTIMIZE GLOBAL SOURCING WITH EFFECTIVE COMPONENT SELECTION

**High-Tech Operational Excellence's** Component Supplier Management solution supports component selection strategies that maximize agility while minimizing component supply costs and complexity. Specifically, it provides common access to global standards and processes to ensure selection strategies are executed consistently. Components re-use can be maximized and the right time/quality/price balance is adopted to achieve optimal economies of scale.

## MAXIMIZE EFFICIENCY WITH END-TO-END BOM & IP MANAGEMENT

**High-Tech Operational Excellence** enables cross-functional Bill of Material (BOM) management across the product lifecycle, from as-designed, as-manufactured, as-planned to as-built phases. Delivered via a single collaborative platform, this end-to-end BOM and Intellectual Property (IP) management strategy and solution increases efficiency by synchronizing change management across diverse organizational teams and the supply chain. It also promotes global part re-use and standardization, thus helping to control costs, boost quality, and shorten cycle times for change management processes.

To find out more about Dassault Systèmes High-Tech Operational Excellence, visit: [3ds.com/high-tech-operational-excellence](https://3ds.com/high-tech-operational-excellence)

## 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](https://www.3ds.com).

