



3DEXPERIENCE®

FLEXIBLE PRODUCTION

HIGH TECH



Visibility, Control, and Synchronization of Production Processes

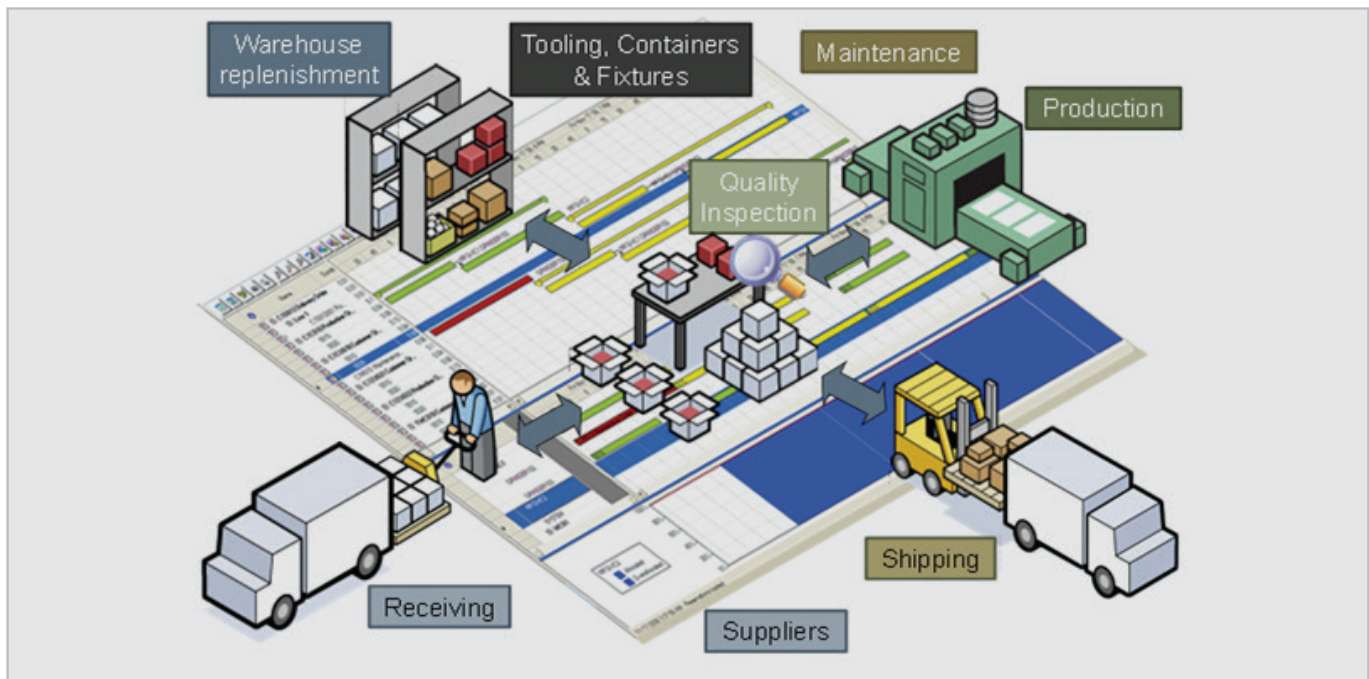
DELMIA's Flexible Production for the High Tech industry delivers a global manufacturing solution specifically designed to support high-growth international operations.

DELMIA's Flexible Production solution unifies and standardizes production, quality and material management across the enterprise while accommodating multiple manufacturing models to support different global supply chain strategies such as outsourcing, postponement and risk-pooling. It easily adapts to different manufacturing environments: in-house or out-sourced, small or large, high or low volume. As an enterprise solution, it enables manufacturers to define, control and optimize operations across multiple sites and functions, while still accommodating changes driven by product and process innovation. Global manufacturers that operate in the High Tech industry are enabled to respond quickly to strategy shifts, changing market conditions and unexpected events.



Unify and standardize production, quality and material management





Enable synchronization of all production resources in response to demand and supply network events

INDUSTRY CHALLENGES

- How to flexibly enable different production strategies such as MTO, CTO, ETO, postponement and risk-pooling according to different demand patterns throughout the product lifecycle?
- How to reduce lead-time, waste and inventory in production operations while effectively meeting changes in market demand?
- How to accelerate time-to-volume in rapid cycles of new product, program or facility launches?
- How to effectively manage subcontracted manufacturing operations as if they were in-house?
- How to quickly identify and contain defective components and devices across a global production network of both in-house and external facilities?
- How to accelerate the PDCA (Plan-Do-Check-Act) cycle across the global engineering and production network in order to stay ahead of competitors in both product and process innovations?

SOLUTION HIGHLIGHTS

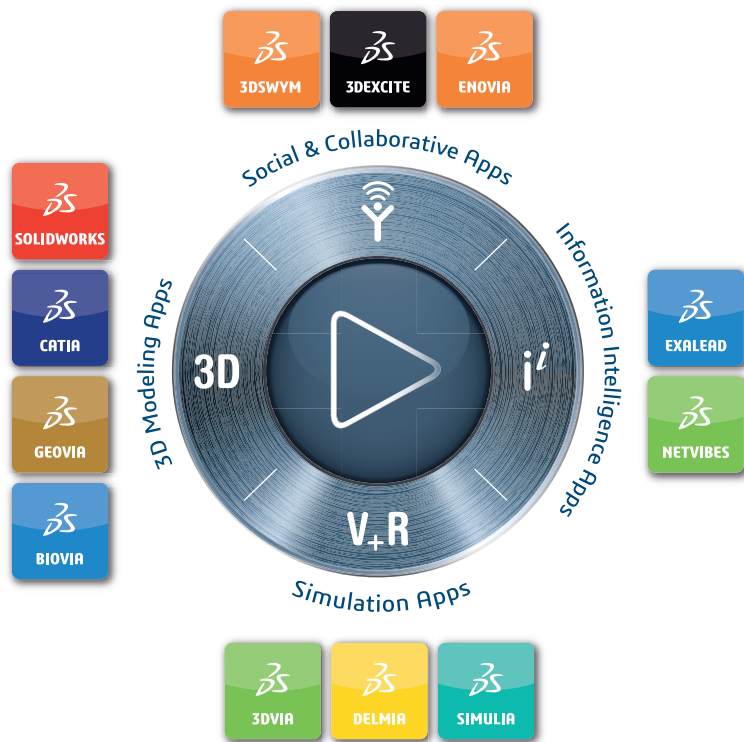
- Create a global flexible platform for manufacturing by enabling multiple manufacturing models, across any geography and with varying levels of manufacturing automation
- Establish collaboration processes to synchronize all resources including production, quality, maintenance as well as time and labor in response to production events and demand changes
- Manage quality on a global scale with consistent corporate standards, process governance and scientific tools such as SPC, enforced at every location across the value chain with full global traceability and genealogy of 5M (man, machine, material, method, measurement)

- Enable real-time visibility and control of supplier and subcontractor operations
- Establish closed loop communication between design and engineering
- Deploy consistent business processes across multiple production facilities and hence consistent real-time monitoring, measurement and enforcement of best-practices standard across global operations

SOLUTION VALUES

- Introduction of product innovations are accelerated on a global scale with higher initial quality and faster ramp-up
- Collaborative problem-solving horizontally across and vertically up the organization drives faster issue resolution
- Improved manufacturing efficiency, market responsiveness. Drives agile operations to reduce risk, slash costs and improve customer satisfaction
- Increased asset performance and utilization, decreased inventory levels and costs
- Increased on-time, on-specification delivery performance of complex customer orders based on precise, up-to-date, as-built information
- Increased plant throughput while expanding product lines and achieving streamlined inventory flow

For more information, please visit www.3ds.com/DELMIA



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.

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