



**3DEXPERIENCE®**

# **BUILD TO RATE**

AEROSPACE & DEFENSE



## Certify as you Build

*DELMIA's Build to Rate solution for the Aerospace & Defense industry enables OEMs and suppliers to decrease installation and assembly cycle time by delivering the right instructions at the right time.*

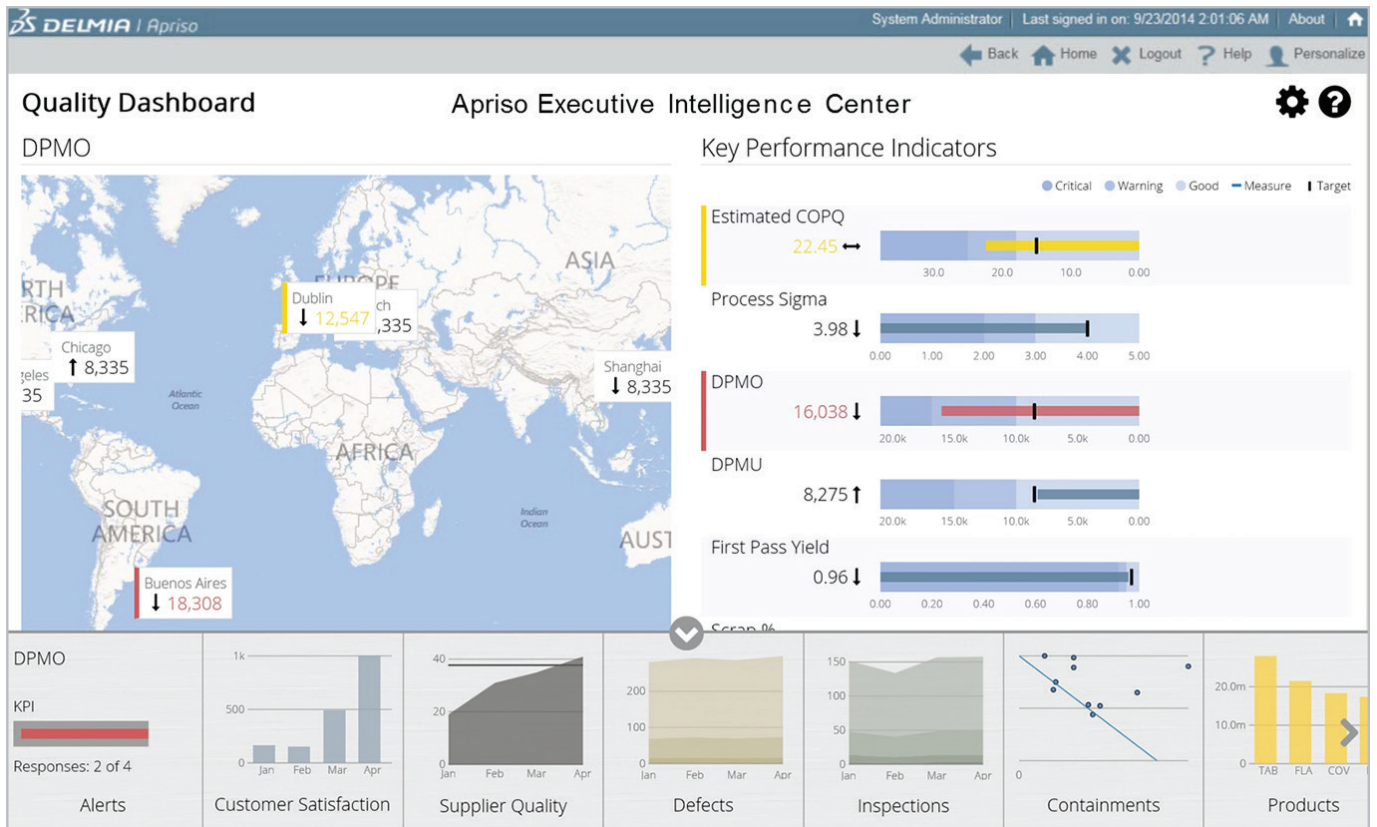
DELMIA's Build to Rate solution delivers a suite of proven and scalable inventory, quality and production operation systems that enables Aerospace and Defense OEMs, as well as Tier 1 and Tier 2 suppliers, to optimize their shop floor and warehouse processes. Enabled by synchronized tasking of activities, engineering and quality data, companies improve operational efficiency to scale production. With full traceability of all major assemblies, sub-assemblies, and parts, companies are able to increase efficiency of non-conformance resolution and minimize the risk of installing defective components.



Accurate just-in-time 3D work and textual instructions







Access real-time global traceability, monitoring and reporting

## INDUSTRY CHALLENGES

- How to maintain accurate and efficient shop floor and maintenance documentation?
- How to achieve compliance with pertinent rules and regulations?
- How to control storage and movement of products in a warehouse and between distribution centers?
- How to reach the desired steady rate more quickly, more efficiently and with higher quality?

## SOLUTION HIGHLIGHTS

### Dispatching and Monitoring

- Generate shop orders for any given configuration
- Provide job status back to planners

### Lean Production Execution

- Assures work is performed in the correct order
- Operations performed only by qualified individual

### Quality

- Common platform for bi-directional collaboration between manufacturing and engineering
- Real-time traceability, monitoring and reporting for insight into mission-critical operations and global "containment"

### Inventory

- Synchronizes warehouse and production inventories with orders
- Real-time, end-to-end material traceability and genealogy

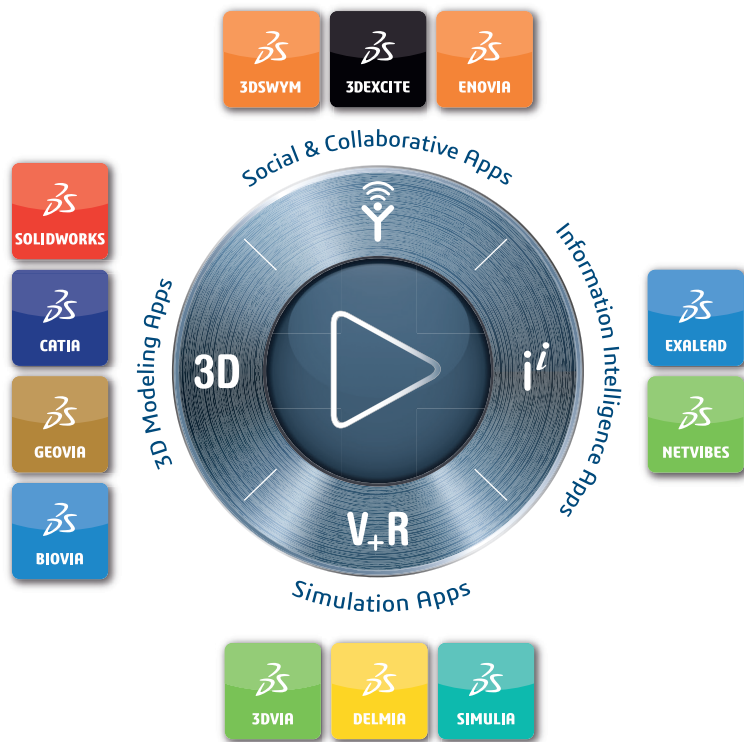
### Traceability, Genealogy and Containment

- Real-time traceability, monitoring and reporting
- Containment of suspect parts before issues arise
- Workflow driven notification across the enterprise and into the supply chain

## SOLUTION VALUES

- Accurate, just-in-time 3D work and textual instructions
- Improved accuracy of work orders, even for complex conditions
- Reduced rework and quality defects due to failure to perform required tasks, failure to obtain required approvals, or failure to collect required data
- Rapidly isolate non-conforming product anywhere in the supply network
- Accelerate product certification
- Work is prioritized and performed in the correct order
- Rapidly isolate and contain non-conforming product anywhere in the supply network
- Provides full traceability, from finished aircraft to suppliers
- Insight into mission-critical operations and global containment
- Reduced inventory buffers

For more information, please visit [www.3ds.com/DELMIA](http://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](http://www.3ds.com).

#### Europe/Middle East/Africa

Dassault Systèmes  
10, rue Marcel Dassault  
CS 40501  
78946 Vélizy-Villacoublay Cedex  
France

#### Asia-Pacific

Dassault Systèmes K.K.  
ThinkPark Tower  
2-1-1 Osaki, Shinagawa-ku,  
Tokyo 141-6020  
Japan

#### Americas

Dassault Systèmes  
175 Wyman Street  
Waltham, Massachusetts  
02451-1223  
USA

**DASSAULT SYSTEMES** | The **3DEXPERIENCE®** Company