

OPERATIONS MANAGEMENT

AEROSPACE & DEFENSE



Dramatically Improve the Way you Manage Variability and Non-Conformance within your Global Supply Chain

The demands on companies to efficiently manage their manufacturing processes are increasing, especially processes that are complex and subject to government regulations. As the virtual world of design and the reality of manufacturing are quickly combining, this can be leveraged to benefit both engineering and operations.

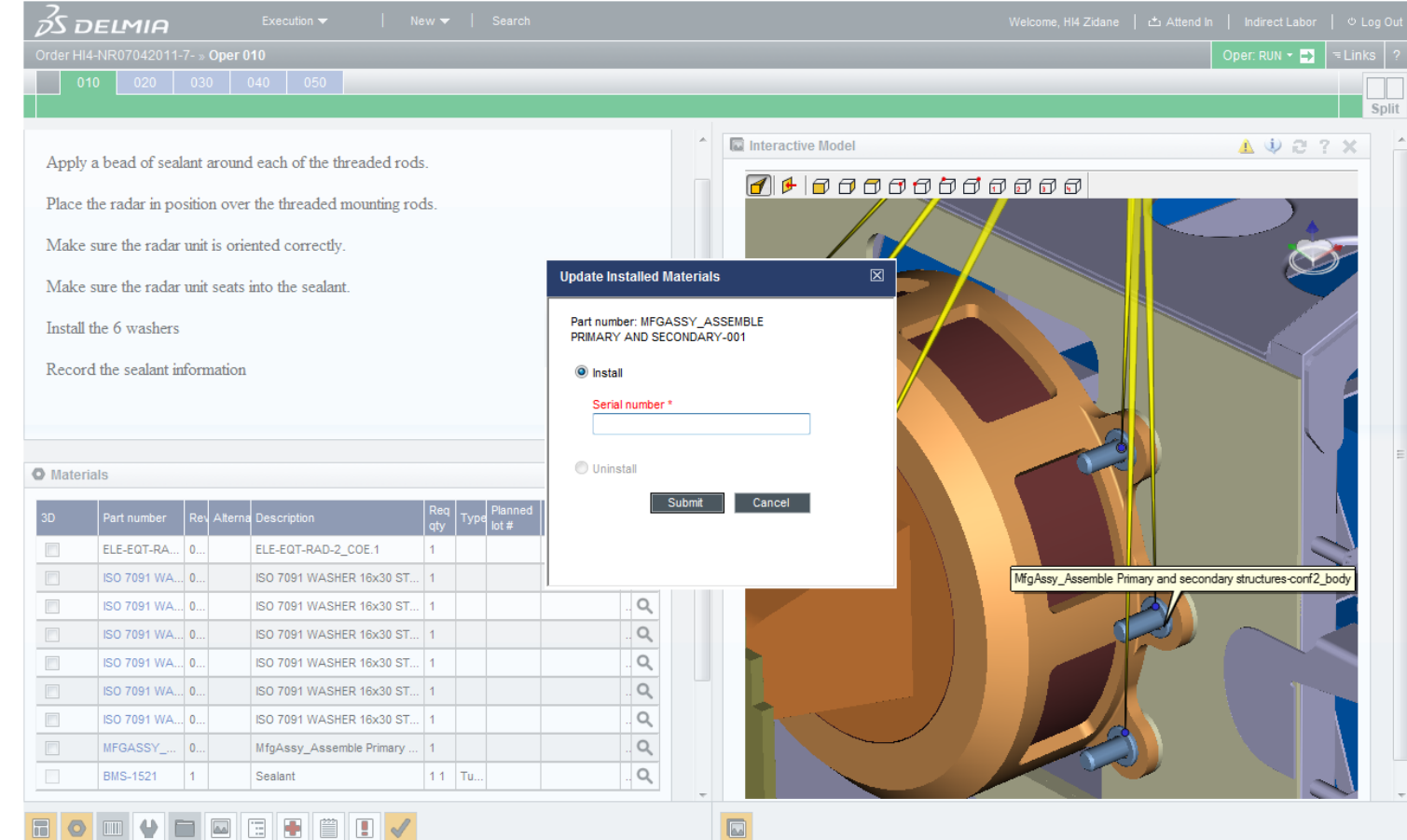
Processes that do not facilitate collaboration between engineering, production, quality and the supplier network hinder continuous improvement efforts of product and process. Better data sharing and visibility between departments, facilities and across an extended supply network reduces cycle times, improves quality and efficiency, and supports strategic planning efforts.

With DELMIA Operations Management, visibility extends beyond product or part issues. Manufacturing and engineering can see, in real-time, product or process information – wherever it is in the manufacturing process. A 3D dashboard representing the shop floor with real-time location and status of non-conformance, run time, schedule adherence and change order information can be viewed and understood easily and acted upon quickly.

Work center	Task	Status	Scheduled start	Priority	Prod	EPD	Parts	Kit location	Primary user
HI4 NOISE RADAR	HI4-NR07042011-1	ON HOLD	1/9/2011 12:00:00 PM	1	●	●	Update kit location	Assign primar	
HI4 NOISE RADAR	HI4-NR07042011-2	ON HOLD	1/9/2011 12:00:00 PM	2	●	●	Update kit location	Assign primar	
HI4 NOISE RADAR	HI4-NR07042011-3	RUN	5/9/2011 11:00:00 AM	3	●	●	Update kit location	Assign primar	
HI4 NOISE RADAR	HI4-NR07042011-4	RUN	5/9/2011 11:00:00 AM	4	●	●	Update kit location	Assign primar	
HI4 NOISE RADAR	HI4-NR07042011-5	ON HOLD	8/9/2011 11:00:00 AM	5	●	●	Update kit location	Assign primar	
HI4 NOISE RADAR	HI4-NR07042011-7	RUN	9/29/2011 11:00:00 AM	7	●	●	Update kit location	HI4 Zidane	

EPD #	EPD Template	Stage Name	Stage Status	Current User	Priority
38 - 91 - A	ASSISTANCE REQUEST	MONITOR	WAITING		7

The process planner controls the resources that are assigned to process execution tasks.



Generate a 3D shop order for any given configuration of the product being built.

MANUFACTURING CHALLENGES

- Manufacturing data is stored in different IT systems or on paper
- Increasing competition requires continuous cost and productivity efforts
- Increasing product complexity and need for traceability
- Issues are detected late in the process and recurring issues are not effectively prevented
- Accelerated development cycles and heavy product customization generates complex change management requests
- Collaboration between design office, manufacturing engineers and shop floor is not efficient enough

SOLUTION HIGHLIGHTS

- Control global mission-critical operation in real-time by digitizing the shop floor to review current production status and make proper decisions about when and where to start each assembly job.
- Decrease cycle time and eliminate rework by maximizing workers' productivity with the right instructions at the right time. Enforce complete procedural control to ensure regulatory compliance and quality during build.
- Accelerate change order and non-conformance resolution with digital continuity between engineering and manufacturing. Quickly communicate engineering change orders to the shop floor and in return, inform engineers about the reality of the shop floor process variations, such as non-conformances.

Once real-life production begins, variability and non-conformance are facts of manufacturing life.



Delivering Best-in-Class Products



Virtual Products



Model and Simulate our Planet



3D Design



Information Intelligence



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing and Production



Social Innovation



Collaborative Innovation



3D Communication

About Dassault Systèmes

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 150,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

CATIA, SOLIDWORKS, SIMULIA, DELMIA, ENOVIA, GEOVIA, EXALEAD, NETVIBES, 3DSWYM and 3DVIA are registered trademarks of Dassault Systèmes or its subsidiaries in the US and/or other countries.

Europe/Middle East/Africa

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

Asia-Pacific

Dassault Systèmes
Pier City Shibaura Bldg 10F
3-18-1 Kaigan, Minato-Ku
Tokyo 108-002
Japan

Americas

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

Visit us at

3DS.COM/DELMIA

