

Dassault Systèmes Launches “Build to Operate,” a New Industry Solution Experience for Aerospace and Defense Manufacturing

Manufacturing Operations Management Brings Digital Precision Linking Engineering, Production and External Partners

LE BOURGET (Paris Air Show), France — June 15, 2015 — [Dassault Systèmes](#) (Euronext Paris: #13065, DSY.PA), the 3DEXPERIENCE Company, world leader in 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions, today announced the launch of “Build to Operate,” its latest industry solution experience for aerospace and defense. Original equipment manufacturers (OEMs) and large suppliers can increase the efficiency and quality of their programs with the 3DEXPERIENCE platform’s global digital manufacturing operations management capabilities.

A current global aviation build cycle is well underway due to aircraft modernization and the retirement of thousands of aircraft over the next decade. In meeting this growth, OEMs and large suppliers strive to implement lean practices that improve program performance and equip their manufacturing operations, to quickly reach full manufacturing rate.

Based on Dassault Systèmes’ 3DEXPERIENCE platform, the “Build to Operate” industry solution experience offers OEMs and large suppliers the ability to monitor, control and validate all aspects of manufacturing operations—ranging from replicable processes and production sequences, to the flow of deliverables throughout their supply chain—each on a global scale.

“Instant visibility on all levels of productivity—plant, line, station, cell and individual—is a critical enabler to continuous improvement, and ‘Build to Operate’ brings this capability to existing production lines and accelerates the ramp-up of new lines to reach optimal rate,” said Michel Tellier, Vice President, Aerospace & Defense Industry, Dassault Systèmes. “Aerospace companies implementing this ‘factory of the future’ today can expect benefits that include as much as a 25 percent reduction in errors, 20 percent less waste and up to a 15 percent improvement in first-time quality.”

Specifically, “Build to Operate” offers:

- Closed-loop visibility of all manufacturing operations, to assess risks and implement mitigation procedures;
- Global deployment of lean manufacturing processes, including line automation performance and failure information that can be reviewed in a virtual “replay” and analytics environment; resulting improvements can be implemented globally across all sites;

- Access to real-time KPIs and analytics of warehouse, production and quality data across the extended enterprise; shop-floor data monitoring detects quality risks in real time and proactively prevents scrap and rework, as well as identifies root causes to prevent composite or additive manufacturing defects;
- Real-time traceability of supplier data, enabling quick containment and disposition of quality issues and controlled flow of deliverables that minimize the risks of installing defective components and of incomplete deliveries.

“We adopted Dassault Systèmes’ ‘Build to Operate’ industry solution experience to improve manufacturing execution for our existing and future helicopters programs,” said Jean-Luc Sturlèse, Vice President, Production Flows Management, Airbus Helicopters. “By tightly unifying engineering with our change management process, and by implementing lean processes like just-in-time processing and paperless manufacturing, we aim to improve quality and accelerate production while lowering program costs.”

For more information on Dassault Systèmes’ industry solution experiences for Aerospace & Defense: <http://www.3ds.com/industries/aerospace-defense>

Dassault Systèmes will be attending this year’s [International Paris Air Show](#) (June 15-21), booth F183 (Hall 2B) and Chalet B 161 (by invitation only).

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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 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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