

Dassault Systèmes Enlarges its Strategic Development Partnership with Airbus

The 3DEXPERIENCE Platform at the Heart of a New Program for Realistic Simulation of Aircraft Strength and Performance

VELIZY-VILLACOUBLAY, France — February 8, 2013 — [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 a partnership with Airbus to expand the use of Dassault Systèmes' 3DEXPERIENCE platform's realistic simulation applications (SIMULIA). This will accelerate the structural analysis and virtual testing of their next generation aircraft, starting with the A350-900.

Airbus' ADVANS program (Accelerated Development for Vulnerability and Nonlinear System) consists of innovative simulation methods to apply the advanced nonlinear dynamic analysis capabilities of SIMULIA Abaqus to predict, with a high level of confidence, the real-world strength and performance of its aircraft structures. Accurate, nonlinear analysis, done earlier in the design phase and prior to performing costly physical tests, results in a higher quality design, faster, and at a lower cost. Airbus designers and engineers will create very large simulation models, leveraging their aircraft models designed in the CATIA application. Then, by using high-performance computing clusters, they will be able to perform full-scale, nonlinear structural simulations with SIMULIA Abaqus overnight.

"With this project, we are pushing the boundaries of high-performance computing and our physics-based simulation applications to validate full-scale aircraft designs overnight," said Monica Menghini, Executive Vice President, Industry and Marketing, Dassault Systèmes. "The 3DEXPERIENCE platform allows users to experience the accurate physical performance of their aircraft design much sooner and well before committing to physical tests. This accelerates their ability to make highly-informed, mission-critical design and engineering decisions."

The Airbus' ADVANS program represents a major milestone in the long-standing relationship between Airbus and Dassault Systèmes. The SIMULIA application, part of the 3DEXPERIENCE platform, enables simulation users to move away from approximate, linear analysis to more accurate, nonlinear simulation technologies. This allows a deeper understanding of realistic structural performance earlier in the design cycle.

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About Dassault Systèmes

Dassault Systèmes, the 3D Experience 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.

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