

Dassault Systèmes and Airbus Group Extend Collaboration to Additive Manufacturing

3DEXPERIENCE Platform at the Core of Aircraft Programs Integrating Design, Simulation and Production

VÉLIZY-VILLACOUBLAY, France — June 9, 2016 — [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 that Airbus Group, after a two-year comprehensive benchmarking process, is extending its use of Dassault Systèmes' 3DEXPERIENCE platform to its additive manufacturing programs integrating design, simulation and production.

Airbus Group will deploy Dassault Systèmes' collaborative design and simulation applications as part of the "Co-Design to Target" industry solution experience, for the additive manufacturing of tooling, prototyping and parts for test flights and for production use on commercial aircraft. This provides Airbus Group with digital continuity to optimize its conceptual designs by virtually validating each phase of the additive manufacturing process. Leveraging Dassault Systèmes' applications and its own leadership and engineering expertise in additive manufacturing, Airbus Group can explore greater design and manufacturing possibilities to meet engineering and manufacturing requirements for the additive manufacturing of tools and parts.

Additive manufacturing, also known as 3D printing, is an alternative to production processes such as milling, melting, casting and precision forging. Already adopted by the aerospace industry for creative product design and prototyping, the use of additive manufacturing is gradually extending to large-scale production. The "Co-Design to Target" industry solution experience leverages applications for additive manufacturing to offer high flexibility in part design, production and testing. This helps reduce waste and costs associated with the manufacturing of complex aircraft parts, without sacrificing strength or performance.

"Numerous projects across Airbus are accelerating the use of additive manufacturing to produce prototypes as well as production components potentially delivering lighter and less expensive parts that meet technological, performance, safety and cost standards," said Robert Nardini, Senior Vice President Engineering Airframe, Airbus. "Airbus has long used Dassault Systèmes' simulation applications to accelerate the structural analysis and virtual testing of aircraft and now we can define a new way of designing parts by leveraging simulation-based design to better answer aviation market needs."

"Additive manufacturing creates new opportunities in many different areas such as remote fabrication for support and maintenance, rapid prototyping for realizing new concepts and experiences and, perhaps most importantly, developing designs that were heretofore impossible to fabricate," said Dominique Florack, Senior Executive Vice President, Research & Development, Dassault Systèmes. "With this approach, Airbus Group will be able to take advantage of the 3DEXPERIENCE platform's next generation automated design assistant for

parts, whether they are 3D printed or not, thus accelerating a new wave of transformation in the aerospace industry. With the 3DEXPERIENCE platform we are delivering an end to end solution including all engineering parameters for the additive manufacturing of parts inclusive of material science, functional specification, generative design, 3D printing optimization, production and certification.”

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 210,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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