

Dassault Systèmes and Solar Impulse for Sustainable Living

Vélizy-Villacoublay, France, June 26, 2009 - Dassault Systèmes (NASDAQ: DASTY, Euronext Paris: #13065. DSY. PA), a world leader in 3D solutions, today announced, it is proud to be a part of the Solar Impulse project. Who would have thought that one day travelers would be able to fly around the world in an aircraft propelled uniquely by solar energy without using any fuel or generating pollution? For the past few years Solar Impulse SA has been using Dassault Systèmes software solutions to create an airplane that makes this dream a reality.

A pioneer in the aerospace industry with the introduction of 3D to aircraft design and cutting-edge solutions that enabled the virtual rollout of Boeing's 787, Dassault Systèmes remains true to its core values of innovation and sustainability through its partnership with Solar Impulse. Solar Impulse used Dassault Systèmes' 3D virtual design solution, CATIA, to create a complete 3D digital model of the aircraft, including the position of the cockpit, aerodynamics specifications, all the way down to the smallest bolts.. Solar Impulse also used Dassault Systèmes' ENOVIA SmarTeam to manage the huge volume of parts associated with the design, a significant job given a typical aircraft is composed of 200,000 to 3 million parts.

Because Solar Impulse is a new and complex aerospace invention, it was critical for engineers to be able to test a wide range of design configurations, including various combinations of heavy solar panels and lightweight composites structures. For example, Solar Impulse engineers used CATIA to define the best allocation of solar cellules to comply with the energy specifications. The engineers also used CATIA for ergonomics analysis to optimize the aircraft pilot's comfort in various positions.

Dassault Systèmes is dedicated to helping innovators like Solar Impulse create products and transportation solutions for sustainable living. Building and testing concepts virtually in 3D saves resources and enables the level of experimentation necessary for true innovations. Industrials can also manage a growing range of compliance issues early-on in the design phase. We cannot change the habits of people today, but we can change the everyday products and transportation solutions we use now. According to the European Union, an estimated 80 percent of a product's environmental impact is determined in the product conception phase.

"Creating eco friendly products is a key challenge. At Dassault Systèmes, because we have the ability to completely digitalize the creation process, we are creating at the heart of our design tools the technologies that would enable users to assess the environmental impact of their products," says Bruno Delahaye, VP, Eco Sustainability Initiatives, Dassault Systèmes." In the near future we will be releasing platforms to help our customers understand what the impact of the product they are building is. This is key because as Software as a Service becomes the norm, this means that we will give access to a wide range of people the technologies needed to help make their products eco-friendly."

For more information on sustainability and Green PLM, visit the blog 3D Perspectives. <http://perspectives.3ds.com/tag/green-plm/>

For more information on Dassault Systèmes' CATIA virtual design solutions, visit <http://www.catia.com>

About Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 100,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product - SolidWorks for 3D mechanical design - DELMIA for virtual production - SIMULIA for virtual testing - ENOVIA for global collaborative lifecycle management, and 3DVIA for online 3D lifelike experiences. Dassault Systèmes is listed on the Nasdaq (DASTY) and Euronext Paris (#13065, DSY.PA) stock exchanges. For more information, visit <http://www.3ds.com>

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