Dassault Systèmes Announces Isight 5.0 from SIMULIA for Simulation Automation and Design Optimization

Enhanced Open Integration Architecture Further Enables Ecosystem to Develop Customized Isight Components with New Eclipse Plug-in, APIs and Templates

VÉLIZY-VILLACOUBLAY, France and PROVIDENCE, R.I., USA, January 13, 2011 — [Dassault Systèmes](#) (DS) (Euronext Paris: #13065, DSY.PA), a world leader in 3D and Product Lifecycle Management (PLM) solutions, today announced the availability of Isight 5.0, the market-leading open desktop solution for simulation process automation and design optimization from SIMULIA, the Dassault Systèmes brand for realistic simulation.

Isight provides designers, engineers, and researchers with an open system for integrating design and simulation models—created with various CAD, CAE and other software applications—to automate the execution of hundreds or even thousands of simulations. It allows users to save time and improve their products by optimizing them against performance or cost variables through statistical methods such as Design of Experiments (DOE) or Design for Six Sigma.

The new Eclipse plug-in within Isight 5.0 provides an intuitive user-interface and common-component project templates, making it easier for partners and customers to create customized Isight applications. By introducing support for the Eclipse open-source development environment, Isight 5.0 further improves the process of integrating any type of software application, such as CAD, CAE, mathematical or scientific computing tools.

"As a SIMULIA Component Integration Program Partner, our team used the application programming interfaces and development resources available for the successful and rapid creation of a robust fe-safe component for Isight, significantly enhancing durability optimisation," said Ian Mercer, software director at Safe Technology Limited, the world leader in fatigue analysis software for finite element models. "The Eclipse plug-in greatly simplified and accelerated our development efforts. We were able to develop a proof-of-concept component within two working days, and completed a working prototype within one week.

"CD-adapco's motivation to deliver a STAR-CCM+ plug-in for Isight is to help our user community address their ever-increasing business challenges, including product optimization tasks," says Jean-Claude Ercolanelli, senior vice president of product management at CD-adapco, the world's largest independent CFD-focused CAE provider. "Through close collaboration with SIMULIA's development team, this free plug-in is available for current STAR-CCM+ users who want to perform Design of Experiment studies and optimization tasks using Isight."

Through the Component Integration Program (CIP), SIMULIA is facilitating the delivery of components to ensure partner tools can be automatically and seamlessly leveraged as integral parts of Isight simulation process flows.

"We were very pleased to provide partners participating in SIMULIA's Component Integration program with early access to the new Eclipse plug-in," says Alex Van der Velden, Isight product manager. "We are focused on delivering more component development tools that will simplify and accelerate the delivery of partner components even further."

"Isight's open architecture enabled us to rapidly implement a workflow component that our customers can use to integrate AVL BOOST, EXCITE and FIRE simulation tasks into their Isight workflows to optimize powertrain designs," says Dr. Jürgen Krasser, manager of software engineering in advanced simulation technologies at AVL.

Additional support for DOE methods is also now available in Isight 5.0, including the Fractional Factorial method, which reduces the number of experiments of a full-factorial design, and the Box-Behnken method, which evaluates extreme values (corner points) that may lead to unfeasible designs. Isight 5.0 provides customers with access to the MATLAB and Taguchi Method components at no extra charge.

For additional product information, visit: http://simulia.com/products/isight.html.

About SIMULIA
SIMULIA is the Dassault Systèmes brand that delivers a scalable portfolio of Realistic Simulation solutions including the Abaqus product suite for Unified Finite Element Analysis, multiphysics solutions for insight into challenging engineering problems, and SIMULIA SLM for managing simulation data, processes, and intellectual property. By building on established technology, respected quality, and superior customer service, SIMULIA makes realistic simulation an integral business practice that improves product performance, reduces physical prototypes, and drives innovation. Headquartered in Providence, RI, USA, SIMULIA provides sales, services, and support through a global network of regional offices and distributors. For more information, visit http://www.simulia.com.

About Dassault Systèmes
As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes brings value to more than 115,000 customers in 80 countries. A pioneer in the 3D software market since 1981, Dassault Systèmes applications provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. 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. For more information, visit http://www.3ds.com.

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