



Paris, France – 17 October, 2011

ESI is the pioneer and world-leading solution provider in virtual prototyping.

Market Data

Listed in compartment C of NYSE Euronext Paris

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ESI participates in SAE Aerotech congress & exhibition in Toulouse, October 18 to 21, Showcasing Virtual Product Engineering solutions to spur innovation in the aerospace industry

Paris, France – 17 October, 2011 – [ESI Group](#), pioneer and world-leading solution provider in [virtual prototyping](#) for manufacturing industries, announces its participation at the biennial international [SAE Aerotech](#) congress and exhibition for aerospace professionals.

[SAE Aerotech](#), a key event during which the aerospace community prepares for future challenges and opportunities, will feature over fifty technical and business sessions, addressing hot topics for today's industry such as coping with new regulations, pre-certifying components, manufacturing composite materials and integrating industrial processes, all of which affect disciplines at the heart of aircraft and spacecraft conception.

During this congress, [ESI](#) customers and ESI domain specialists will deliver joint presentations about how [Virtual Prototyping](#) helps the aeronautic industry raise its quality standards while cutting down product development costs and shortening time to market. One of the many benefits of [Virtual Prototyping](#), a method enabling concurrent design across multiple domains, is to facilitate design iterations at each and every stage of the product development process. This method precisely addresses a product's performance by taking into account how it is manufactured and the environment in which it will function.

[Virtual Prototyping](#) expert **Dr Jean-Christophe Gebelin**, Technical Director of PRISM2 (Partnership for Research in the Simulation of Manufacturing and Materials), University of Birmingham, asserts "*Virtual manufacturing in the welding area offers the possibility to optimize fixturing, and to better understand induced distortion and residual stresses. This is an area where significant process improvement can be offered to the aeronautic industry, leading to important cost and environmental impact reduction.*"



The calendar of [ESI](#) and customer presentations is as follows:

On Tuesday, 18 October:

4:30 pm (Room Argos)

Modeling Fuel Injection and Flash Vaporization In Rocket Engines, presented by Philippe Gelenne, ESI France.

On Wednesday, 19 October:

9:00 am (Room Ariane 1)

Casting Process Simulation: Mold Filing, Solidification, Casting Defects, presented by Serge Fargeas, SNECMA.

9:30 am (Room Ariane 1)

Modeling of Electron Beam Welding of Titanium Alloys, presented by Richard Turner , University of Birmingham.

12:00 pm (Room Cassiopée)

Skills Synergy Leading to RTM Flow Simulation Success Story, presented by Patrick de Luca, ESI Group.

4:30 pm (Room Salle de Presse Mermoz)

Simulating Response of Lightweight Reflectors to Acoustic Tests, presented by Paul Belloch, ATA Engineering Inc.

On Thursday, 20 October:

8:30 am (Room Cassiopée)

Prediction of Shape Distortion using Autoclave through Simulation, presented by Laurent Dufort, ESI Group.

[ESI](#) will be located at the booth n°526. For more information on ESI's attendance at SAE Aerotech, visit: www.esi-group.com/sae-aerotech-2011

And to find out more about SAE Aerotech: www.sae.org/aerotech

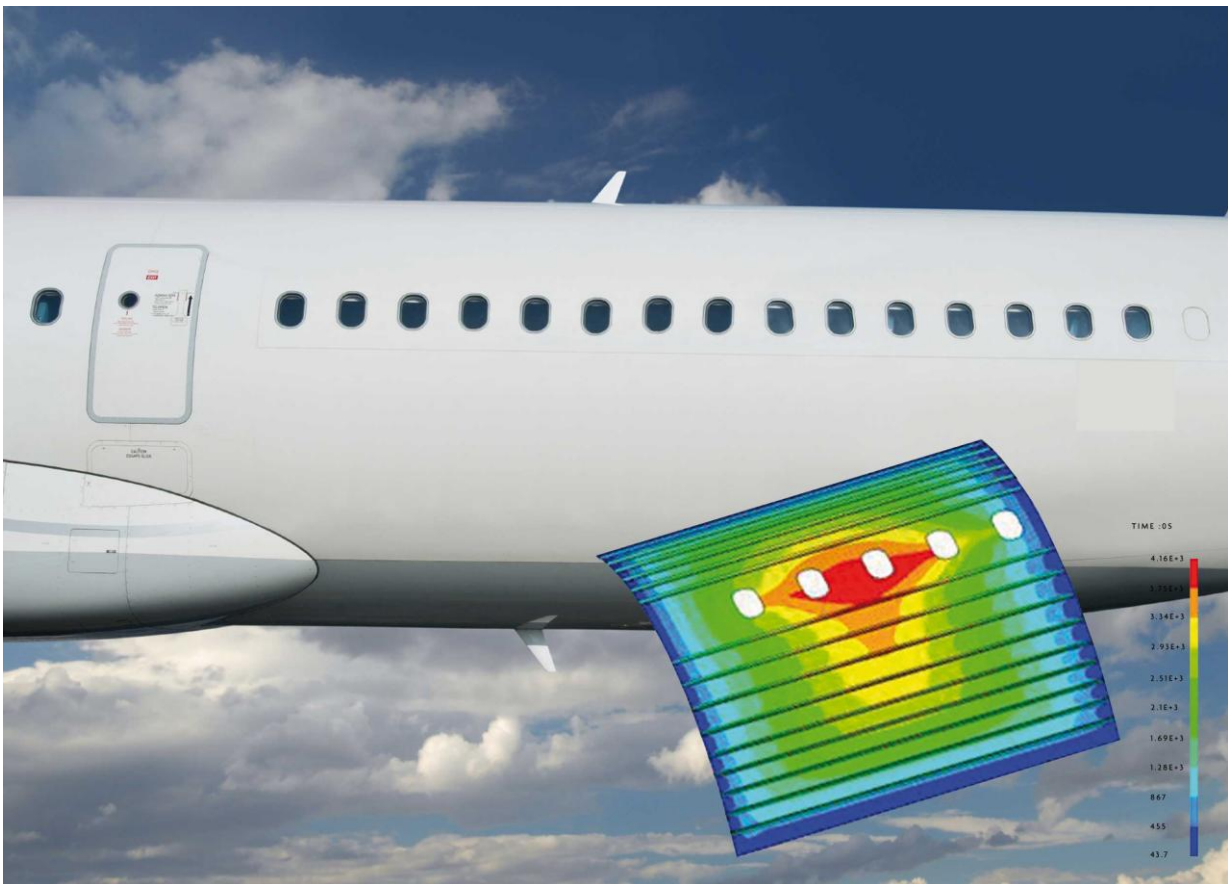


Image: Infusion simulation of a fuselage panel with PAM-RTM
Courtesy of EADS Innovation Works

For more ESI news, visit: www.esi-group.com/newsroom

About ESI Group

[ESI](#) is a pioneer and world-leading solution provider in virtual prototyping for manufacturing industries that takes into account the physics of materials. [ESI](#) has developed an extensive suite of coherent, industry-oriented applications to realistically simulate a product's behavior during testing, to fine-tune manufacturing processes in accordance with desired product performance, and to evaluate the environment's impact on performance. ESI's solutions fit into a single collaborative and open environment for End-to-End Virtual Prototyping, thus eliminating the need for physical prototypes during product development. The company employs about 850 high-level specialists worldwide covering more than 30 countries. [ESI Group](#) is listed in compartment C of NYSE Euronext Paris. For further information, visit www.esi-group.com.

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ESI Group – Media Relations

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