



Paris, France, March 8, 2013

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

#### Market Data

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[ISIN FR 0004110310](#)

#### Contact

[ESI Group](#)

Céline Gallerne

T: +33 (0)1 41 73 58 46

[Celine.Gallerne@esi-group.com](mailto:Celine.Gallerne@esi-group.com)

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#### Connect with ESI



## Meet ESI at JEC Europe!

### Europe's largest exhibition for the composites industry

Paris, France – March 8, 2013 – [ESI Group](#), pioneer and world-leading solution provider in [Virtual Prototyping](#) for manufacturing industries, announces its participation at [JEC Europe](#), March 12-14 in Paris, France. Located at booth Y60, Pavilion 1, [ESI](#) will feature live demonstrations of its [Composites Simulation Suite](#). By accounting for the entire Composites Manufacturing Chain, the suite provides a comprehensive industrial capability to simulate the design, manufacturing and performance of composite parts.

[JEC Europe](#) is Europe's largest exhibition for composites, attracting over 32,000 visitors in 2012; 80% from outside of France. Featuring a large exhibition and side conferences, JEC Europe covers the full spectrum of processes, new materials, and composite solutions.

JEC Europe provides ESI an opportunity to showcase its composites solutions for the aeronautics, automotive, wind energy, and marine industry sectors. Their [Composites Simulation Suite](#), which includes [PAM-FORM](#) and [PAM-RTM](#), allows designers and process engineers to dramatically decrease development time, production time and total cost. For instance, [ESI's Composites Simulation Suite](#) enables the optimization of tooling and injection/infusion processes and consequently reduces the cost of manufacture and waste due to defective parts. It is also used to determine the best combination of resins and fibers, to support the manufacture of innovative designs.

Several [ESI](#) clients and partners will present industrial case studies during the [JEC Europe](#) conferences. Customer presentations will include:

- March 12, 10:30 a.m., Design Conference: [Formax](#), leading global manufacturer of composite reinforcements, presenting a paper about simulation and optimization of carbon multi-axial fabrics;

- March 13, 10:30 a.m., Automotive Conference: [Volkswagen AG](#), the largest carmaker in Europe, delivering a presentation about draping and filling simulations for efficient process design of Non-Crimp-Fabric (NCF) composites parts;



- March 13, 2:30 p.m., Aeronautics Conference: Safran Composites, the recently created Composites R&D branch of [Safran Group](#), promoting the use of simulation to support RTM process strategies for engine components; and [CCHP](#), the high performance composite design & manufacturing Canada research chair, presenting the RTM process analysis and simulation of turbofan components.

These four industrial case studies clearly demonstrate [ESI](#)'s leadership for composites manufacturing simulation; addressing dry textile preforming, resin injection / infusion in the preform, curing and distortions prediction, and prepreg thermoforming. Furthermore ESI's solutions enable the cause and effect relationships between the manufacturing processes and the structural performance to be determined by chaining the manufacturing simulation with virtual testing.

Companies using ESI's [Composites Simulation Suite](#) include BOMBARDIER Transport, BMW, Chengdu Aircraft, DOW, EADS, GE R&D, GE India Technology Center, Nordex Energy, Pratt & Whitney, Siemens Wind Power, Snecma and VZLU; all global leaders in their respective domains.

In light of the advanced technology represented in the [PAM-FORM](#) and [PAM-RTM](#) software, it is not surprising to learn that they are also used in teaching and research at numerous reputable Universities across the world.

Meet ESI at booth Y60 to watch a demo of [PAM-FORM](#) and [PAM-RTM](#). Click [here](#) to register for the event!

If you wish to make an appointment for a "one to one" meeting with an ESI representative during the event, please send your request to [mathilde.chabin@esi-group.com](mailto:mathilde.chabin@esi-group.com)

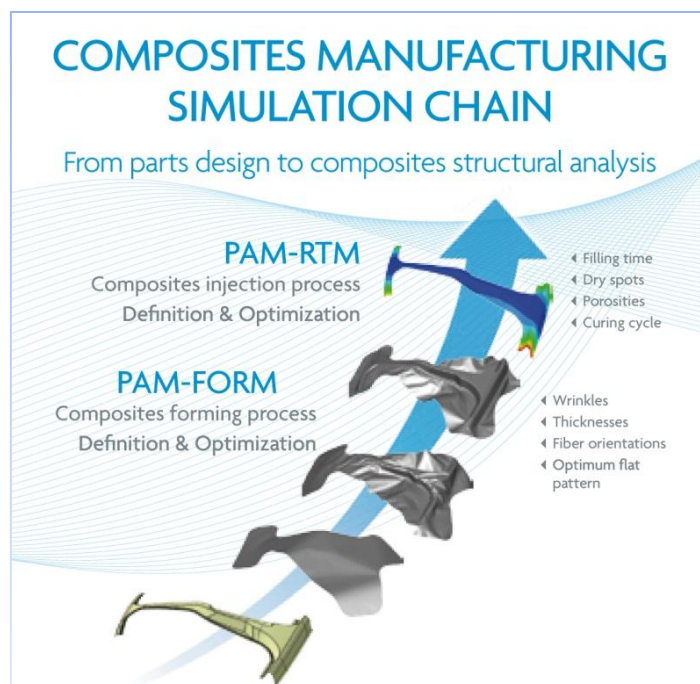


Image: ESI's Composites Manufacturing Simulation Chain



## About ESI Group

[ESI](#) is a pioneer and world-leading provider in Virtual Prototyping that takes into account the physics of materials. [ESI](#) boasts a unique know-how in Virtual Product Engineering, based on an integrated suite of coherent, industry-oriented applications. Addressing manufacturing industries, Virtual Product Engineering aims to replace physical prototypes by realistically simulating a product's behavior during testing, to fine-tune fabrication and assembly processes in accordance with desired product performance, and to evaluate the impact on product use under normal or accidental conditions. [ESI](#)'s solutions fit into a single collaborative and open environment for End-to-End Virtual Prototyping. These solutions are delivered using the latest technologies, including immersive Virtual Reality, to bring products to life in 3D; helping customers make the right decisions throughout product development. The company employs about 950 high-level specialists worldwide covering more than 30 countries. [ESI Group](#) is listed in compartment C of NYSE Euronext Paris.

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## ESI Group – Media Relations

[Céline Gallerne](#)

T: +33 (0)1 41 73 58 46