ESI releases Visual-Environment 9.0, the latest version of its multi-domain simulation platform

Enhanced performance, complete support for Casting and Electromagnetic applications, and introducing new CAE domains including CFD with OpenFOAM® and Composites

Paris, France – December 17, 2013 – ESI Group, pioneer and world-leading solution provider in Virtual Prototyping for manufacturing industries, announces the launch of Visual-Environment 9.0. ESI's multi-domain simulation platform hosts most of ESI's Virtual Prototyping solutions, and is open to third party technologies. ESI's platform enables industrial users to automate all their Computer-Aided Engineering (CAE) processes from Computer-Aided Design (CAD), through pre- and post-processing, modeling, simulation and visualization, to reporting in any CAE domain; all in a unified environment.

Connecting ESI solutions while supporting third party applications, Visual-Environment 9.0 is the obvious choice to support the simulation of the manufacture and assembly of existing and future products, and to enable concurrent engineering and optimization across multiple domains including Crash, Safety, NVH, Energy, Heat Treatment, Flow, Electromagnetics, CFD and more. It helps industrial organizations to maximize their use of CAE in order to achieve greater productivity in their engineering processes and supports their quest for innovation.

"Visual-Environment's wide range of functionalities across different solvers, implemented for pre- and post-processing applications, turn this software solution into an efficient and valuable tool within the development process of restraint systems and its components at TAKATA," says **Axel Heym,** Manager Numerical Simulation Global Engineering, TAKATA AG, Germany.

Current platform users will welcome the significant performance improvements in display that Visual-Environment 9.0 exhibits: the operational speed for viewing and manipulating models is increased manifold, especially for huge models (exceeding 10 million elements).

The new version comes with a local database that can automatically synchronize with local servers, and work along Visual*DSS*, ESI's Decision Support System for managing simulation content and to increase workflow efficiency and productivity.

Other improvements in Visual-Environment 9.0 include Visual-Cast, the first complete release of ESI's user environment dedicated to pre/post processing, meshing, modeling, set-up and handling for ESI's ProCAST.

Adding to the existing environment supporting ESI's CEM Solutions for simulating electromagnetic compatibility, Visual-Environment 9.0 now also supports advanced electromagnetic scattering, antenna placement and RADAR signature analysis. It now offers a fully-integrated environment for all CEM needs.

Keeping up to date with the growth of ESI's solution portfolio, Visual-Environment 9.0 now introduces new CAE domains, launching Visual-CFD for simulating Computational Fluid Dynamics (CFD) with the widely used open source code OpenFOAM®. This new dedicated OpenFOAM® environment has been conceived to bring the benefits of this open source code to industrial purposes.

With the ambition to fully integrate ESI's complete Composites Simulation Suite, Visual-Environment 9.0 also supports the analysis of complex manufacturing-induced shape distortion in composite materials.

The release also provides a first integration seat comfort evaluation, as featured in ESI's dedicated end-to-end solution, Virtual Seat Solution.

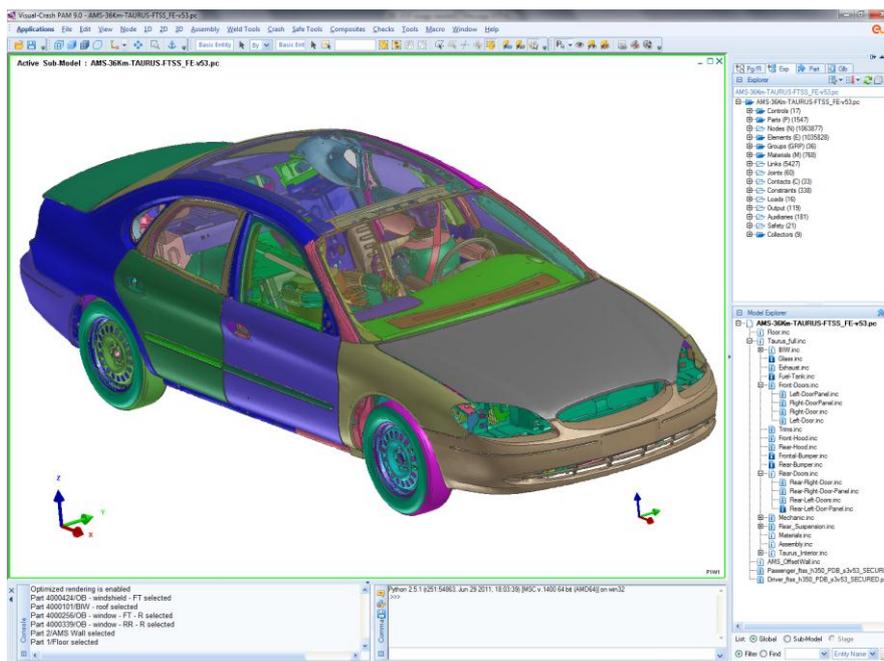*Image:* Visual-Environment 9.0, ESI's multi-domain simulation platform

Several months ago ESI launched their customer portal, myESI, to provide users with direct access to materials, information and useful tips & tricks. Today, Visual-Environment users can connect to the myESI portal to download the latest User Manuals, register for trainings across the globe, and access technical notes delivered by the ESI technical team.

For more info about Visual-Environment, please visit http://www.esi-group.com/visual-environment

For more news or information about ESI solutions, please visit www.esi-group.com

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 1000 high-level specialists worldwide covering more than 40 countries. ESI Group is listed in compartment C of NYSE Euronext Paris. For further information, visit www.esi-group.com.

Connect with ESI on Twitter, Facebook, and YouTube

ESI Group – Media Relations
Céline Gallerne
T: +33 (0)1 41 73 58 46