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

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ESI Announces the Release of Visual-Environment 7.5

An open and collaborative virtual prototyping platform

Paris, France – 14 December, 2011 – [ESI Group](#), pioneer and world-leading solution provider in virtual prototyping for manufacturing industries, announces the release of [Visual-Environment 7.5](#), a flexible and open engineering framework within a common platform, addressing multiple simulation domains. [Visual-Environment](#) encompasses the entire Computer-Aided Engineering (CAE) process, from interfacing with Computer-Aided Design (CAD) to model set-up and post processing; all using a single core compute model.

“Grupo Antolin uses Visual-Environment for pre and post treatment of virtual vehicle seat prototypes. Thanks to the new enhancements for task automation, accurate safety tools corresponding to our needs, and easy-to-use data export and automation in the post-treatment, we saved about 50% time for each simulation loop,” affirms **Franck Chantegret**, Simulation Manager, Grupo Antolin Seats Business Unit.

This latest release [Visual-Environment 7.5](#) provides important improvements related to software usability. Pre and post-processing are now visually integrated within the environment for improved user experience. Overall, this new version offers a better look and feel and common windows and page management that deliver enhanced graphic unity to run smooth, flawless workflows.

The increasingly intuitive user interface also offers greater interaction. For example, from the homepage, users can access shortcuts to their most common operations, recently loaded files, and useful quick links such as software highlights and online social networks.

An ever-evolving platform, [Visual-Environment](#) adapts to the needs of various disciplines, solvers and industries. For each application in [Visual-Environment](#), engineers can use the comprehensive modeling tool “Visual-Mesh” to generate, for complex geometries, solution quality meshes for various disciplines, including vehicle crash testing, passenger safety, NVH (Noise, Vibration and Harshness), heat treatment, welding, casting, and



electromagnetics. The Visual-Viewer post-processing tool caters to the demanding requirements of the CAE community through its multi-page, multi-plot environment while the integrated software development toolkit, Visual-SDK, provides for customization and extension of the open architecture through process templates and macros.

The [VisualDSS](#) application, the end-to-end decision support system of [Visual-Environment](#), allows for Engineering Change Management by propagating changes made from one iteration model to another. New in the [Visual-Environment 7.5](#) release, users can directly create workflows, upload key results and reports, and compare iteration models online in the [VisualDSS](#) client web portal.

Interface with various disciplines

[ESI's Visual-Environment](#) is flexible: every application can be updated individually.

[Visual-Environment](#) is open: version 7.5 boasts enhanced conversion utilities that facilitate the integration of data from third-party software. Other smart improvements in version 7.5 include better visualization; for instance, in the display of meshless simulation methods such as Smoothed Particle Hydrodynamics (SPH) and Finite-Point Method (FPM), and in visualizing airbag folding thanks to a new tool introduced in Sim-Folder. The complete support for Heat Treatment Advisor in Visual-Weld, enables realistic simulation by supporting chaining Welding and Heat Treatment in a manufacturing process.

Improved meshing abilities targeted at NVH and Internal Acoustics applications tremendously ease the meshing of cavities. Visual-Cast, the meshing-pre-post processing environment for foundry applications, provides for set-up of models using CAD topology; enabling the automatic update of iteration models and delivering considerable time gains.

[Visual-Environment 7.5](#) incorporates engineering knowledge, best practices, process, workflow management and simulation content management into the engineering design process.

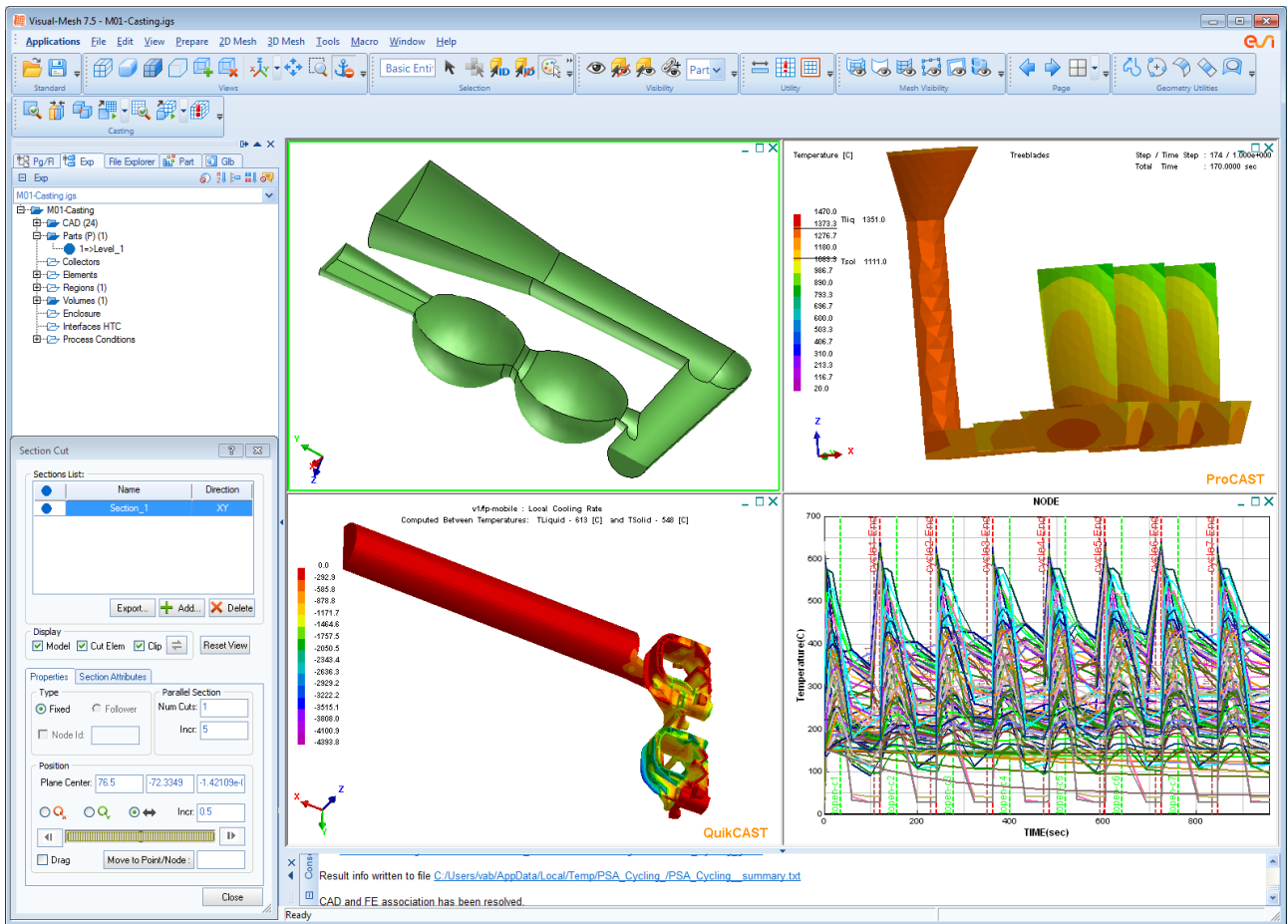


Image : The Casting simulation solution in Visual-Environment.

For more information, please visit: www.esi-group.com/visual-environment

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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