



get it right® with End-to-End Virtual Prototyping

## MILESTONES

Pioneer and major actor in the field of digital simulation, ESI Group is a recognized world-leading provider in virtual prototyping solutions which enhance product design and performance, as well as manufacturing processes with the use of realistic material physics, to accelerate innovation through a single collaborative and open environment for “End-to-End Virtual Prototyping”.

### 2010

- ESI Group employs more than 750 high-level specialists worldwide. Headquartered in Paris (France), the company and its global network of agents provide sales and technical support to customers in more than 30 countries.

### 2009

- ESI Group expands into Tunisia with the creation of a ‘near-shore’ services division dedicated to high value-added projects and also strengthens its strategic partnership with the Tunisian firm Acoustica.

### 2008/2009

- ESI Group strengthens its position and opens a new subsidiary in Italy and in Brazil. ESI Group’s aim is to extend its worldwide presence to better help customers keep their international competitive edge.

### 2008

- Acquisition of Vdot™, a US software platform for lean process management allowing rapid, reliable decision-making by all actors of the PLM and specifically throughout the digital simulation process, enhancing project automation and completion.
- Acquisition of US services company Mindware Engineering Inc., a Computational Fluid Dynamics (CFD) specialist aiming to supplement its high value-added services, essential component of ESI global offering.

### 2007

- Strategic Collaboration with ChengDu Aircraft Industry, a major Chinese aircraft manufacturer and global aviation industry partner for Aeronautic Composites Manufacturing Engineering, in their aircraft design and manufacturing engineering process.
- ESI Group confirms its quality commitment with the renewal of the ISO 9001:2000 certification.
- Launch of the European MARI Consortium (for Marine, Aero, Rail and Industrial structures) in order to establish VA One modeling guidelines.

### 2006

- Airbus adopts PAM-RTM for CATIA V5, a software program used to simulate the manufacturing of composite components formed by injection molding.
- Technological collaboration announcement with Intel in order to jointly develop enterprise leading solutions.
- With the signing of a strategic partnership to take over the Chinese-based company ATE Technology International’s activities, ESI targets both market diversification and a strengthening of its geographical presence.
- ESI Group is recognized as a European Technological Leader and picks up 2006 Frost & Sullivan award for its casting software ProCAST.



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- With the acquisition of IPS International's digital simulation services for engineering applications (CAE), as well as the intellectual property rights to their virtual human models "H-Models", ESI complements its services offering, notably in production projects, in South Korea initially.

### 2005

- ESI releases breakthrough simulation technology for Aerodynamic Shape Optimization. PAM-FLOW™ Adjoint Solver cuts significantly the number of design iterations in CFD shape optimization on an automotive air duct.
- ESI launches PAM-VA One, the One Simulation Environment for Full-Frequency
- Vibro-Acoustic Analysis. PAM-VA One has been described by industry professionals as the most important breakthrough in vibro-acoustics in the past twenty years.
- ESI Group announces new industrial parallel version of its Finite Element foundry simulation software. ProCAST 2005 delivers unprecedented performance on Linux and UNIX clusters at a very competitive cost.

### 2004

- The acquisition of CFD Research Corporation's product division enables ESI Group to diversify its business in new market sectors with strong grow potential, including electronics, biotechnology and alternative energy.
- ESI Group qualification as an "Innovative company" by the French National Research agency ANVAR has been renewed and makes it illegible for inclusion in FCPI.
- ESI Group opens two subsidiaries in India and China.

### 2003

- With the acquisition of intellectual property rights of EASI's CAE software ESI Group now offers a common user environment, as well as CAE simulation design and control tools to the automotive industry.
- Dassault Systèmes and ESI Group join forces to deliver next-generation virtual prototyping and manufacturing solutions within CAA V5.
- ESI Group announces the acquisition of the Swiss-based software company Calcom, provider of the CALCOSOFT continuous casting simulation solution and European distributor of ProCAST.

### 2002

- Acquisition of leading simulation solution ProCAST developed by UES Software strengthens ESI technology leadership in foundry and metallurgy.
- ESI Group announces PAM-STAMP 2G. The second generation of stamping simulation software offers a unique collaborative environment from die design feasibility to process validation and optimization.
- ESI Group acquires a controlling stake in Vibro-Acoustic Sciences Company.
- ESI Group announces major partnership agreement with Renault Group for digital simulation and marks the beginning of the adoption of ESI Group's 3G solutions
- Opening of the English subsidiary based in Banbury, Oxfordshire.

### 2001

- ESI expands its simulation software portfolio with the acquisition of Viking, a tool and die design software from German consortium INPRO, and the Canadian company L3P, the software provider of LCMFLOT.
- ESI Group acquires the French software provider STRACO, specialized in acoustic simulation with RAYON.
- ESI strengthens its distribution network in Eastern Europe through the acquisition of Czech company Mecas, and the creation of the Spanish subsidiary in charge of the Iberian Peninsula.

### 2000

- ESI Group is successfully introduced on Paris Nouveau Marché stock market.
- Introduction of PAM-FORM 2000, forming simulation software for composite and plastic parts.



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**1999**

- ESI Group increases its capital by 5.2 million €.
- ESI reinforces its leadership in stamping simulation with acquisition of Dynamic Software and its virtual press OPTRIS.

**1997**

- ESI reinforces its position in manufacturing process simulation with PAM-CAST/SIMULOR, casting simulation software originally developed by Aluminium Pechiney.
- ESI Group acquires Framasoft, a leading French software publisher and consulting company in mechanical simulation. The new subsidiary markets SYSWELD, a simulation tool for welding and SYSTUS, a general software package for structural design and analysis.

**1996**

- General Motors becomes the largest single user of PAM-STAMP in the world.

**1995**

- PAM-CRASH becomes the worldwide leader for crash test simulations with customers like Audi, BMW, Daewoo, General Motors, Honda, Hyundai and Toyota.
- ESI Group opens a subsidiary in Korea.

**1994**

- ESI Group opens a new subsidiary in the Netherlands.
- ESI Group acquires the company ERSAP, renamed SEMCAP, specialized in the electromagnetism area.

**1991**

- ESI Group opens subsidiaries in the United States and Japan.
- Launch of the PAM-SYSTEM software family, including PAM-SAFE to test driver and passenger safety and PAM-SHOCK for drop test.

**1986**

- PAM-CRASH, the first commercial car crash simulation software is introduced.

**1985**

- The company successfully completes the first virtual car crash of the Volkswagen Polo.

**1979**

- First subsidiary opens in Germany.

**1973**

- ESI initially operates as a consulting company for European defense, aerospace and nuclear industries using advanced digital simulation techniques