The Story of ESI
Pioneer and Leading Innovator in Virtual Prototyping

www.esi-group.com
1973

THE STORY BEGINS

ESI (Engineering System International) is created in France by Alain de Rouvray, current Chairman and President, and three other Berkeley PhDs (Jacques Dubois, Iraj Farhooman, Eberhard Haug). The company initially operates as a consulting company. ESI gradually develops sophisticated simulation techniques based on Finite Element Analysis (FEA), and acquires a broad understanding of industrial processes and needs.

1979

CREATION OF A SUBSIDIARY IN GERMANY

Following a strong demand from German automotive companies as they start to implement the very first crash and safety regulations, ESI opens a subsidiary in Germany (ESI GmbH).

1985

FIRST CRASH TEST ON FULL CAR

ESI teams up with a German consortium led by Volkswagen to become the first company to develop simulation software analyzing the severe deformations inflicted on a car as a result of a crash. This is the first step towards the development of ESI’s flagship product PAM-CRASH, now part of ESI Virtual Performance Solution.
In order to develop the company’s software branch for industrial applications, the Group carries out a share capital increase with the California-based venture capital firm Burr Egan Deleage, which invests 3 million US Dollars. ESI then develops a unique set of software tools to speed up the manufacturing and testing process of industrial products, while improving their design.

To market its software more widely, ESI sets up subsidiaries in the United States, in Japan, and in South Korea. ESI Group is now an international organization.

ESI Group acquires from Framatome (now AREVA) its subsidiary Framasoft (whose software is now SYSTUS), providing a set of mechanical simulation tools, especially suited to the nuclear energy sector.
ACQUISITION OF DYNAMIC SOFTWARE

ESI Group reinforces its expertise in metal stamping simulation with the acquisition of Dynamic Software, editor of the Optris “virtual press” software.

INITIAL PUBLIC OFFERING ON EURONEXT PARIS & ISO 9001-2000 CERTIFICATION

With its Initial Public Offering (IPO) on July 6th, 2000, ESI Group is successfully listed in Eurolist Compartment C of Euronext Paris stock market and raises around 30 million Euros. In the same year ESI Group successfully obtains its first ISO 9001 certification.

CREATION OF SUBSIDIARIES IN CZECH REPUBLIC AND SPAIN & ACQUISITION OF STRACO

ESI Group pursues an active acquisitions policy by successfully integrating companies and creating subsidiaries for developing European markets. The acquisition of Straco France is a first step into the vibro-acoustics market.
2002

CREATION OF A SUBSIDIARY IN THE UK & ACQUISITION OF VASci, ProCAST AND CALCOM

ESI strengthens its position in Europe and opens a new subsidiary in the UK.
ESI also extends its offering in:
- the field of vibro-acoustics with VASci (Vibro-Acoustic Sciences), an American solution for the simulation of noise and acoustics;
- the casting & industrial metallurgy sector with the acquisition of Swiss software ProCAST, followed by the integration of the Swiss-based distribution company Calcom.

2003

ACQUISITION OF EASi & CREATION OF A SUBSIDIARY IN INDIA

ESI Group acquires from the American vendor EASi the intellectual property rights to EASi’s CAE (Computer-Aided Engineering) simulation design and control software environments, allowing ESI to develop an open collaborative engineering environment.
During the same year, ESI creates a subsidiary in India to reinforce its global offering and to provide local high quality services.

2004

ACQUISITION OF CFDRC PRODUCTS & CREATION OF A SUBSIDIARY IN CHINA

The acquisition of CFD Research Corporation’s product division enables ESI Group to diversify its business in advanced Computational Fluid Dynamics (CFD), targeting new market sectors with strong growth potential, including electronics, biotechnology and alternative energy.
ESI Group creates a subsidiary in China to facilitate access to strategic industrial projects for the benefit of Chinese customers in the fast growing local economy.
**ACQUISITION OF ATE TECHNOLOGY AND IPS INT. HUMAN MODELS**

ESI acquires the Chinese-based company ATE Technology International, bringing expertise of integrated solutions in the aeronautic sector. ESI Group also acquires the branch of IPS International for digital simulation services in Computer-Aided-Engineering (CAE) in South Korea, as well as the intellectual property rights to their virtual human models, allowing ESI to enter promising markets such as passenger comfort simulation.

**CREATION OF A SUBSIDIARY IN ITALY & ACQUISITION OF Vdot AND MINDWARE**

In order to further expand its distribution network, ESI opens a subsidiary in Italy. ESI Group acquires Vdot™, a software platform for lean process management from the US company Procelerate Technologies Inc. ESI Group also acquires leading US Services provider Mindware Engineering Inc. This acquisition accelerates ESI’s ability to further develop its presence in the CFD market and in the US.

**CREATION OF SUBSIDIARIES IN BRAZIL AND TUNISIA**

ESI Group opens a new subsidiary in Brazil, a country with fast developing industries, and also in Tunisia, where a ‘near shore’ competency center is now dedicated to high value-added projects.
**2011**

**ACQUISITION OF IC.IDO AND Efield & STRONG GROWTH**

ESI acquires IC.IDO GmbH, leading European vendor of Virtual Reality solutions, allowing customers to experience their models ‘live’ in 3D, to support effective and collective decision-making.

The acquisition of Efield follows: the European specialist in electromagnetic simulation solutions strengthens ESI’s electromagnetic offering.

ESI IC.IDO uses real time immersive 3D technologies. Courtesy of Safran Nacelles.

**2012**

**ACQUISITION OF OPEN CFD LTD., FIRST OFFICE IN RUSSIA, STRATEGIC ALLIANCES**

ESI acquires OpenCFD Ltd., the leader in Open Source Computational Fluid Dynamics (CFD), and consequently becomes the owner of the OpenFOAM® trademark.

In September, ESI opens its first office in Russia, strengthening its presence on the fast-growing Russian market.

In November, ESI signs a protocol for a multi-year strategic collaboration agreement with Astrium, Europe’s leading space technology company.

OpenCFD open source code is a reference in the field of CFD.

**2013**

**STRATEGIC COLLABORATIONS WITH RENAULT AND AVIC-BIAM**

Renault and ESI Group sign a framework agreement for strategic collaboration. The agreement aims at supporting Renault’s new strategic plan “Renault 2016 – Drive the Change”.

Later in the year, ESI signs the Joint Venture contract initiated in 2012 with AVIC-BIAM. Under the terms of the contract, the parties agree to establish and operate the Joint Venture company “avic-ESI (Beijing) Technology Co. Ltd.”.

Signature Ceremony for the Joint-Venture contract between ESI and AVIC-BIAM.
ACQUISITION OF CAMMECH

ESI Group acquires the Vietnamese company CAMMECH, deploying ESI’s multi-shoring model and strategically strengthening its presence in Asia.

INTEGRATION OF NEW TECHNOLOGIES FOR BIG DATA, MACHINE LEARNING, CLOUD AND THE INTERNET OF THINGS

ESI pursues its acquisition strategy aimed at building a holistic and complete offering for Virtual Prototyping. Starting with Pro-SiVIC™, a breakthrough technology dedicated to the development and integration of embedded Advanced Driver Assistance Systems (ADAS). ESI also acquires the assets of AMOEBA (of which PRESTO software is part), provider of a disruptive solution dedicated to the electronic device market. With PicViz (now ESI INENDI), specialist in big data visual analysis to detect unknown operational problems, ESI enters the field of cybersecurity. ESI also acquires the assets of Ciespace, enabling cloud-based CAE modeling.

ACQUISITIONS OF ITI GMBH AND MINESET

ESI continues its series of acquisitions with ITI GmbH, a global leader in the realistic simulation of mechatronic and multi-domain systems and its software SimulationX. ESI also acquires Mineset Inc., a data analytics and machine learning specialist. ESI continues to strengthen its global ecosystem through the signature of corporate partnerships, with Huawei for instance.

At the end of the fiscal year, ESI announces the transfer of its shares from compartment C to compartment B of Euronext Paris.
2017

ACQUISITION OF SCILAB ENTERPRISES AND EXTENSION OF STRATEGIC POSITIONING

With the acquisition of Scilab at the beginning of the year, ESI boldly pursues its path into 0D-4D modeling: from product inception to Immersive Virtual Engineering. Coupled with the latest technologies, Virtual Prototyping is now anchored in the wider concept of the Product Performance Lifecycle™, which addresses the operational performance of a product during its entire lifecycle, from launch to disposal. The creation of a Hybrid Twin™, leveraging simulation, physics and data analytics, enables manufacturers to deliver smarter and connected products, to predict product performance, and to anticipate maintenance needs.

SNAPSHOT OF ESI

Today, ESI employs more than 1200 Virtual Prototyping specialists worldwide. Headquartered in Paris (France), the company and its global network of agents provide sales and technical support to customers in more than 40 countries. ESI has built a worldwide network of experts in each industrial domain, allowing the company to be close to its clients and to meet their needs.

More information:
www.esi-group.com/ourStory