



The Company

Founded in 1984, EnginSoft is an expert player in informatics applied to CAE, virtual prototyping, process simulation and the optimization of design and production processes in general. The company's matrix is industry and the specialized professional, constructed on practical, results-orientated research. The company's background is enriched by stimulating University environments, direct, hands-on practical design experience and the routine of evaluating the use of computer models, using them only when, how and where they are necessary.

Today the company is the partner of choice for leading Italian industrial groups in the field of virtual prototyping, boasting a staff of over 80 experts with various specializations, over 1000 installation licences for key commercial software, over 800 clients (and growing): all this makes EnginSoft Italy's premier organization (and Europe's number 2) in its sector.

EnginSoft's key characteristic is the multidisciplinary nature of its technical skills, a feature that qualifies it as the single partner for companies seeking expertise in CAE and virtual prototyping, both in the use of commercial software and the development of tailored solutions.

The fullness of the service EnginSoft offers is not limited to the complementary nature of the software technologies it supports (for one of which, modeFRONTIER, the company is the developer) and the related applications, but also the range and wealth of the educational and training programmes it offers, together with its capacity to focus and coordinate EU and/or national funded industrial research projects.



EnginSoft is keenly aware that the maximum benefit of new technologies depends on their suiting a company's specific project for innovation and its key objectives: in this light EnginSoft offers a CAE assessment service, which defines the application context and motivates the CAE development plan, both as regards the technologies to be acquired and the cooperative networking to be established.

EnginSoft has five offices in Italy: Trento, Padua, Bergamo, Florence and Mesagne (Province of Brindisi).



EnginSoft Promotes the
modeFRONTIER network in Europe
www.enginsoft.com

modeFRONTIER is the world class software technology for PIDO - Process Integration and Multi Objective design Optimization. PIDO is the new emerging approach to CAE and, more generally, to simulation-based engineering science which is revolutionizing the design process at all industrial levels.

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Virtual Prototyping technologies and methods for the innovation of the design process



Achieving Competitive Advantage through CAE and iDP

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Virtual Prototyping and Innovation

There can be no innovation without innovation in processes and methods, and in this context virtual prototyping is a key tool, capable of integration into every industrial process to show at once the impact of various design choices on production processes. The ability to understand the behaviour, performance and interactions of a product or component before its construction by using computer simulation that permits real-time testing in any context and to any design parameter and constraint means being able to:

- evaluate rapidly the feasibility and advantages of new ideas and construction solutions;
- meet the challenge of the increasing complexity and dispersion of design and production processes;
- reduce direct testing to the advantage of creativity, the lifeblood of progress;
- trap and deploy the company's intellectual capital within technologies that understand the 'DNA of a design';
- allow trade-offs to be made from a position of knowledge in the light of true optimization and not through simple compromises or trial and error;
- speed up know-how transfer processes while keeping control of them;
- integrate suppliers into the design process;

as well as obtaining better and more reliable products faster and at lower cost.

EnginSoft is the partner of choice in the interdisciplinary supply of:

Tecnology

- Third party software systems for CAE and iDP covering virtually the whole range of current applications (mechanical, fluid-dynamics, acoustics, process simulation, fast dynamics, safety, electromagnetism, etc), according to the needs of differing contexts and industrial size.
- In-house software (modeFRONTIER) for design integration, multi-objective optimization and decision support.
- In-house methodologies for web-based engineering.

Services

- 'CAE assessment', the identification of specific needs and demands.
- Integration of off-the-shelf and proprietary technologies available within the company.
- Applications 'on demand', with over 20 years' experience of work with industry and support through on-the-job-training.
- Projects outside its own competences through the TechNet Alliance (of which EnginSoft is a founding member), with its 600+ specialist in Europe.
- Support through on-the-job training.
- Distance engineering (DENGI), and the implementation of dedicated software environments/systems.
- Support in making funding applications for both Italian and EU research and training projects.

Training

- Training in the use of software (over 60 courses scheduled during the year).
- Vocational training and education from basic to advanced with the TCN consortium (of which EnginSoft is a founder member).
- Distance learning, both direct and for third parties, with its own dedicated portal 'Improve.it'.
- Coordination and participation in pilot training projects (EU Leonardo da Vinci and similar programmes).

Research and technology transfer

- MIUR-recognized laboratory for the transfer of technology in the CAE/iDP sector.
- Coordination and participation in research (EU both IP and STREP, MIUR and CNR, with local funding).
- Industrial research for third parties.
- Participation in international 'Networks' (both European Union and private initiatives).
- Conventions with universities and research centers.

Education

- Organization of workshops, seminars and conferences (both in Italy and internationally).
- Publication of a quarterly newsletter.
- Participation, as a founder member, in NAFEMS Italia.
- Active participation in the trade press and promotional activities with the professional networks.
- Publication of specialized texts, both directly and as a sponsor.

What role for EnginSoft?

EnginSoft with its demonstrated experience and skills can define when, where, how and to what degree virtual prototyping can best be adopted in differing company environments to meet a company's objectives for innovation, in line with its deadlines.

EnginSoft: willing you to make it.

Out on its own in Italy with over twenty years of experience and unmatched in size, range of skills and technologies, financial resources and market share, EnginSoft has the substance to effectively support companies in the transformation of the design process, facilitating an effective and rational transfer of technology, knowledge and methods.

