

EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid '70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Turkey and the U.S.A. and have a close partnership with synergic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.



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 **ENGINSOFT**

DATA SHEET

***modeFRONTIER***

The innovative integration platform for  
multi-objective and multi-disciplinary optimization

# The innovative integration platform for multi-objective and multi-disciplinary optimization

## Main Benefits

- ✓ Greatly reduces design cycle time
- ✓ Improves product performance and reduces product development time
- ✓ Provides an extremely effective tool for making design decisions
- ✓ Delivers optimised designs automatically under user guidance
- ✓ User friendly and intuitive

modeFRONTIER is an integration platform for multi-objective and multi-disciplinary optimization. It provides a seamless coupling with third party engineering tools, enables the automation of the design simulation process, and facilitates analytic decision making.

In today's business world, multidisciplinary approach is key for a successful design process. Designers are required to simultaneously consider multiple perspectives to determine the global optimal solution, facing an ever increasing problem complexity. With modeFRONTIER, the process is streamlined combining objectives relating to variables of different disciplines.

The powerful workflow enable the execution of complex chains of design optimization, innovative algorithms determine the set of best possible solutions combining opposing objectives, and post-processing tools allows the user to perform sophisticated statistical analysis, data visualization and decision making.

The user profiles enable multidisciplinary engineering practices to consolidate specialized expertise and streamline teamwork by allocating software resources where needed. Depending on the step of the engineering problem at hand, it is possible to access different functionalities within the same installation through dedicated modules (modeSPACE and modePROCESS) or directly in modeFRONTIER, according to the profile of the user.

modeFRONTIER is a product

