

modeFRONTIER

The platform for process automation and optimization in the engineering design process



modeFRONTIER **workflow formalization** guarantees the management of the engineering design process, with **full integration** with third party tools. Pick the right design with a full suite of **design of experiments** and **optimization algorithms** and decide through the set of advanced tools for **data analysis and visualization**.



IMPROVE PERFORMANCE

Automate the engineering process with workflow formalization



MAXIMIZE HARDWARE USAGE

Use all available computing resources with smart distributed execution



OUTSMART THE COMPETITION

Simplify the toughest optimization challenge with best-in-class technology



DELIVER RESULTS ON TIME

Exploit optimization strategies tailored to available time and resources



DESIGN THE PRODUCTS OF THE FUTURE, TODAY

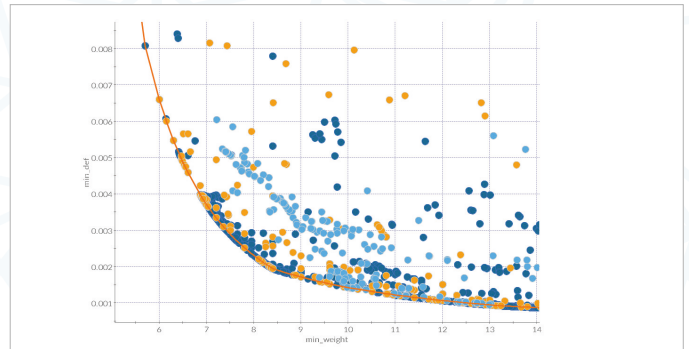
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Reliable Ease of Use

modeFRONTIER innovative optimization environment offers a modular, profiled-based access, that streamlines teamwork by allocating software resources where needed.

New ways of accessing the tool help **basic and expert users** to set up an effective workflow and explore the design space even with little time or knowledge. Our algorithms can bring optimization projects on the fast track by exploiting single-parameter set-up, in the **Self-initializing mode**, while with the **Autonomous mode** no parameters are required and users simply press play to start.



EXPERIENCE THE FULL POTENTIAL OF ESTECO TECHNOLOGIES



OPTIMIZATION DRIVEN DESIGN

Deliver better products
in less time

modeFRONTIER VOLTA



INTEGRATION & PROCESS AUTOMATION

Integrate and drive multiple
CAE tools

modeFRONTIER VOLTA



ENGINEERING DATA INTELLIGENCE

Transform data into valuable
company assets

modeFRONTIER VOLTA



DISTRIBUTED EXECUTION

Fully exploit your company's
IT assets

modeFRONTIER VOLTA



ROBUST DESIGN & RELIABILITY

A dedicated module for uncertainty
management

modeFRONTIER



SIMULATION DATA MANAGEMENT

Access, organize and share key
product development data

VOLTA

EXPLORE DESIGN PERFECTION

ESTECO is an independent software provider, highly specialized in **numerical optimization and simulation data management** with a sound scientific foundation and a flexible approach to customer needs. With 20 years' experience, the company supports leading organizations in designing the products of the future, today.



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