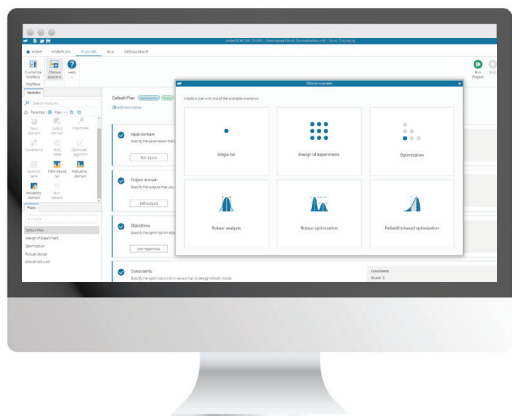# modeFRONTIER

The complete solution for design optimization

Design better products, faster.

Take advantage of **integration and process automation** to accelerate your engineering design process. Rely on **state-of-the-art algorithms** to find the optimal solution. Make the right decision with the most advanced **data analysis** and visualization tools.

FIND THE OPTIMAL DESIGN
Handle your design parameters and balance conflicting objectives

MAXIMIZE IT RESOURCES
Exploit all computational resources and engineering solvers

DELIVER RESULTS ON TIME
Accelerate the engineering process and run multiple simulations automatically

esteco.com/modefrontier

modeFRONTIER is a product of ESTECO SpA

Driving innovation throughout product development

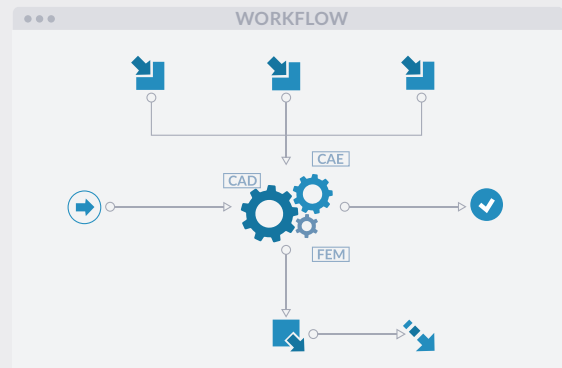## Master engineering complexity and speed up the design process.

Streamline your engineering process, increase efficiency and save time. Benefit from the modeFRONTIER **integration and process automation** technology to integrate with any simulation tool and automatically run multiple simulations. Easily create, execute and monitor complex integration chains for **multidisciplinary optimization projects**, all while reducing simulation time.

Perfect your design by choosing among a complete set of intelligent algorithms, also available in the **autonomous mode**. Explore all design options, increase the knowledge of any complex engineering problem, predict the behavior of complex designs and find optimal solutions. Embrace our optimization-driven design approach, including **design of experiments**, **optimization strategies**, **response surface methodology**, and dramatically **reduce development costs and time-to-market**.
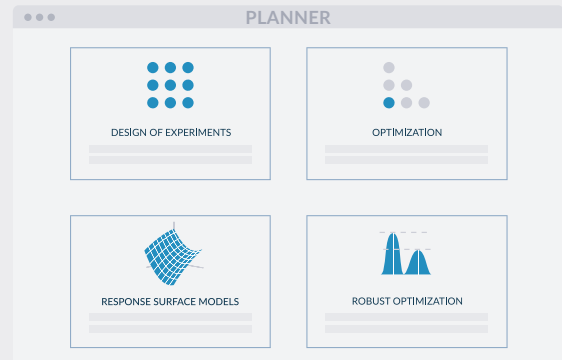
Design exploration and optimization campaigns produce large amounts of data. Turn them into valuable insights and identify relevant performance with the help of **data analytics and visualization**. Rely on a set of state-of-the-art tools for data analysis to drive your decision-making process and **pick the best solution**.

Simulation and optimization processes are often very computationally expensive and may slow down the entire design process. With the **Distributed Execution** technology available in modeFRONTIER, you can run your models in parallel or through grid computing. This results in a remarkable reduction of the lead time and a maximization of the IT investment.
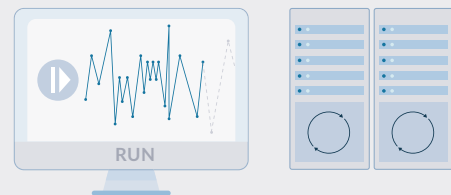
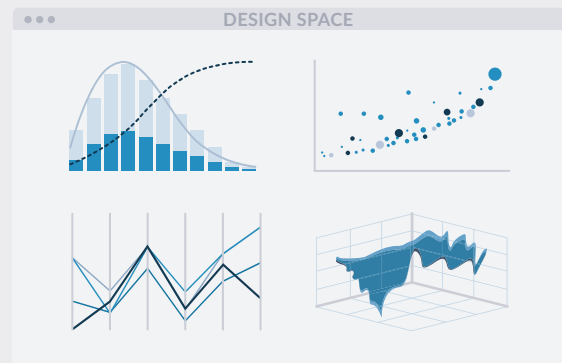Seamlessly integrate multiple simulation software

WORKFLOW

Embrace optimization-driven design with best-in-class algorithms

PLANNER

DESIGN OF EXPERIMENTS

OPTIMIZATION

RESPONSE SURFACE MODELS

ROBUST OPTIMIZATION

Execute your process and distribute the computational load

RUN

Gain valuable insights from data and make better decisions

DESIGN SPACE

FIND THE OPTIMAL DESIGN, FASTER

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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