

VOLTA

The collaborative web platform for SPDM and design optimization



VOLTA helps redefine product development and embrace digital transformation.

Make your design teams **collaborate** on a web environment and benefit from **Simulation Process and Data Management (SPDM), optimization and data analysis** technologies to accelerate innovation and **deliver better products faster.**



MAKE SIMULATION DATA ACCESSIBLE

Expand the usage of engineering simulation across teams



REDUCE TIME-TO-MARKET

Fast deliver the best product by applying intelligent algorithms to the simulation process



LOWER COSTS

Maximize the investment in engineering solvers and IT resources

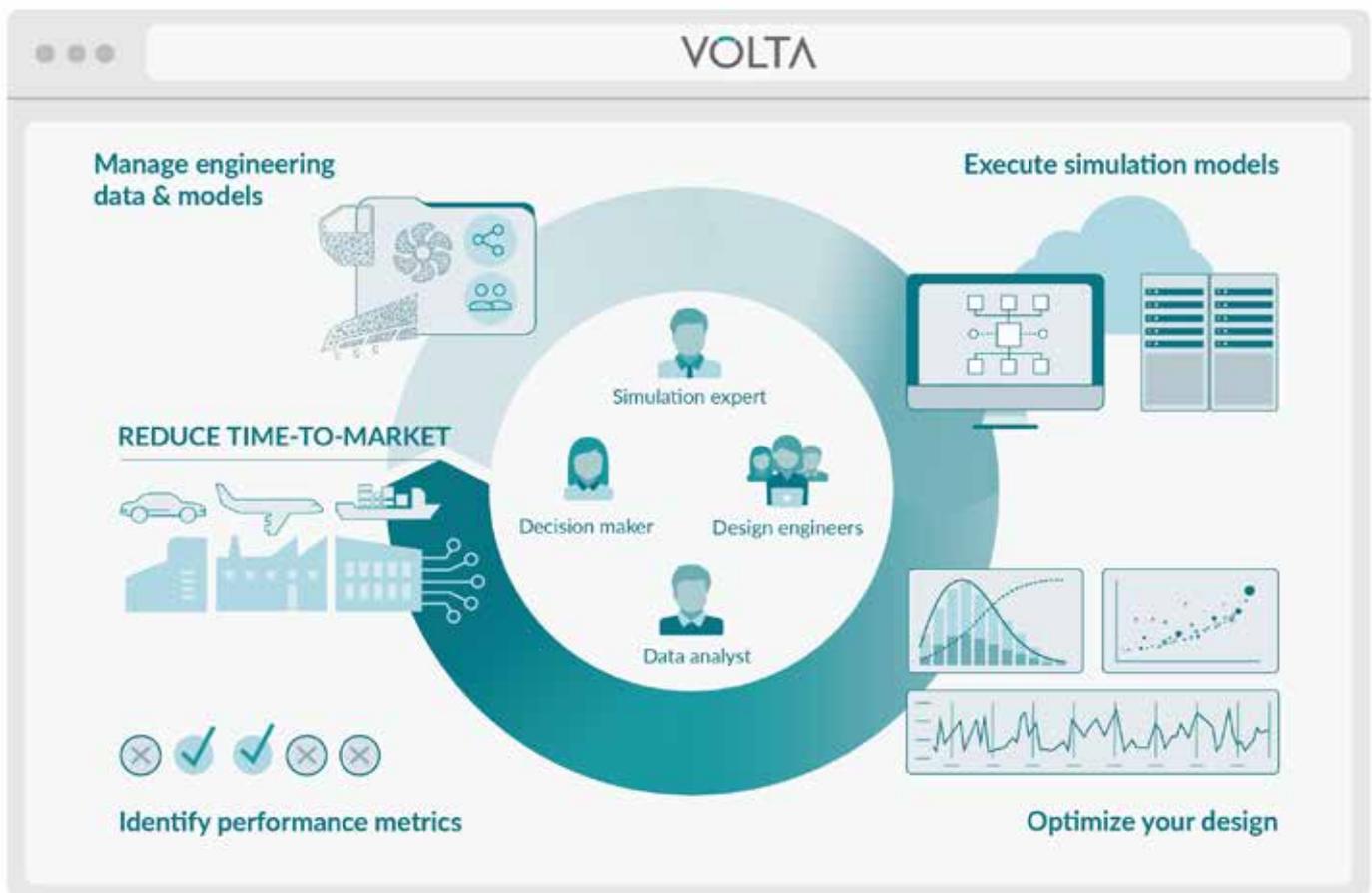
Bringing people, processes and technology together

Create, capture, cultivate simulation knowledge. Apply artificial intelligence throughout the business process.

VOLTA platform simplifies the product development process. It enables teams to connect anytime and anywhere to the design projects through an easy-to-use collaborative web interface. **Simulation experts** can create and automate the logical steps of the simulation process from a single workflow. **Design engineers** can then execute and reuse the workflow models. On top, they can apply **Intelligent algorithms** to explore the design space, find the optimal solutions and innovate the product in less time.

The design exploration and optimization studies produce massive amounts of data. State-of-the-art **web-based analytics and visualization tools** enable **data analysts** to handle such information volumes effectively and turn them into valuable insights. **Decision makers** can then access product performance metrics to quickly compare the effectiveness of the optimization strategy and decide on design solutions.

Many teams can simultaneously work on VOLTA and execute many simulations. This may take hundreds or thousands of runs and a huge amount of computational load. Exploiting the **Distributed Execution**, VOLTA allows to manage local and remote computer resources and run simulation processes in parallel. This results in a reduction of the lead time and a maximization of the IT investment.



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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