

VOLTA

Enabling Innovative Product Development

VOLTA is a web-based, collaboration environment that orchestrates simulation data and multidisciplinary business processes, and enables conscious decision-making for innovative product development.

Collaborate on a Global Scale

Coordinate design teams to run optimization and simulation projects across different departments and organizations in a secure environment that facilitates information sharing and visibility.

Capture and Share Knowhow

Achieve better, faster design solutions by aggregating product and process information into a single shared repository that draws on the skills and knowledge of engineer discipline experts.

Gain Access Anytime, Anywhere

Connect to VOLTA from any location, anytime, from computers and mobile devices. Benefit from secure access to processes, data and results.



Enable conscious decision making and innovative product development with the VOLTA web-based, collaboration environment.

© VOLTA is a product of ESTECO SpA



Keep people, processes and technologies together



“ESTECO enterprise technology has revolutionized our way of working”

Yan Fu,
Technical Leader of Business Strategy
and Engineering Optimization
Ford Motor Company

VOLTA helps manage all cross-functional concurrent design steps by integrating multiple modeling formats. Its service-oriented architecture facilitates the execution, sharing and re-use of the enterprise engineering knowledge.

SIMULATION DATA MANAGEMENT



Take control of product design iterations. VOLTA ensures full traceability by managing key digital files that come from different sources.

Track, organize and get access to up-to-date analysis models and results, simulation data and automation workflows from a web browser.

DISTRIBUTED EXECUTION



Take the burden of computational resources out of the picture. Fully exploit multi-core workstations, HPC clusters and public clouds, while ensuring respect of security standards.

VOLTA manages distributed execution engines running on a grid of computers, giving users the illusion of a single and reliable machine.

OPTIMIZATION-DRIVEN DESIGN



Let the most powerful algorithms efficiently drive product development.

The automated, intelligent design space exploration leverages data generated by simulation design cycles stored in VOLTA to help teams embrace multiple requirements, balance opposing objectives and achieve enhanced product performance earlier.

ENGINEERING DATA INTELLIGENCE



Use relevant design performance metrics for informed decision making.

Leverage aggregate product data and engineering information. VOLTA keeps teams on track by allowing them to concurrently compare, validate and decide on design solutions.

EXPLORE DESIGN PERFECTION

ESTECO is an independent technology provider that delivers **first-class software solutions** aimed at **perfecting the simulation-driven design process**. With more than 15 years' experience, the company specializes in **customer-focused solutions for numerical optimization**, CAE integration, process automation and simulation data management.

