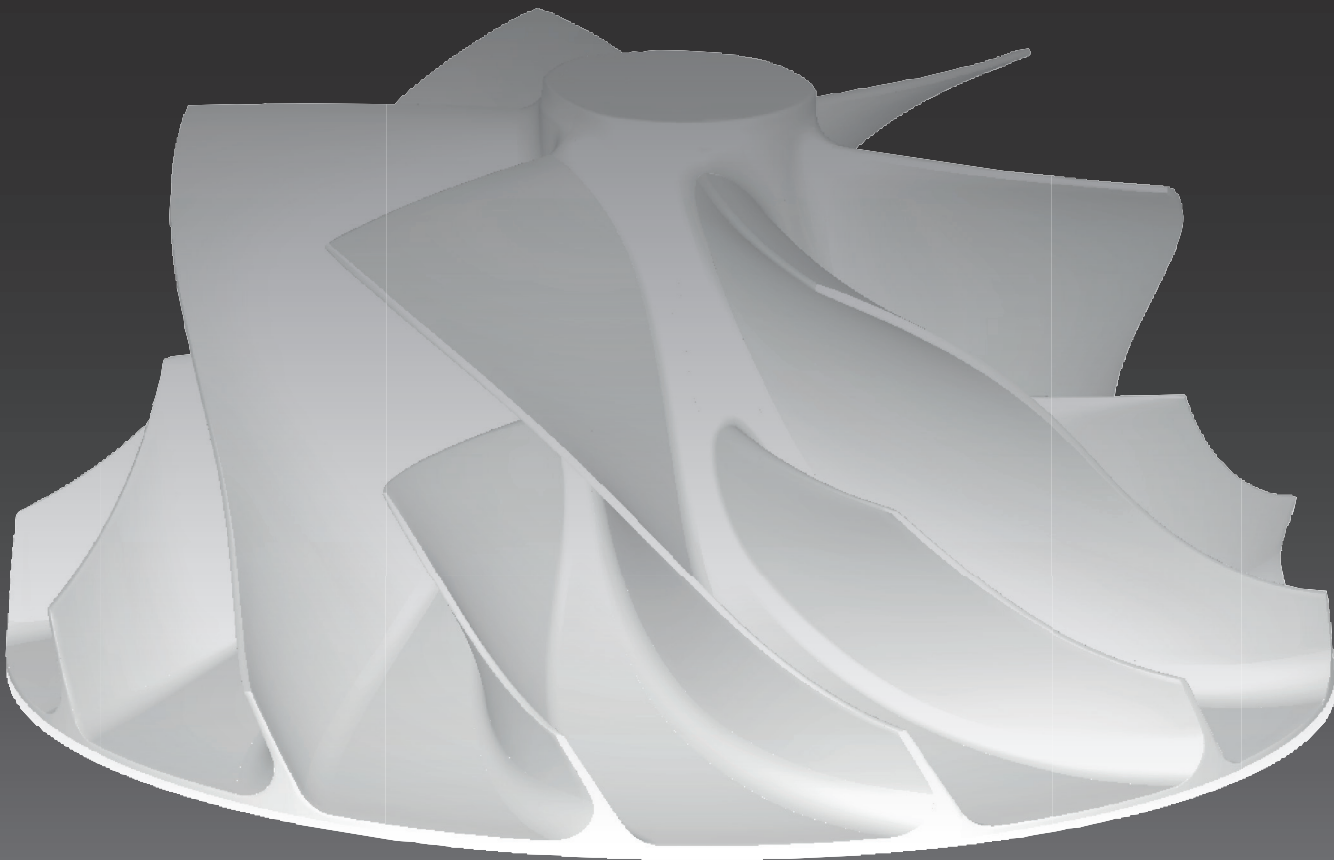
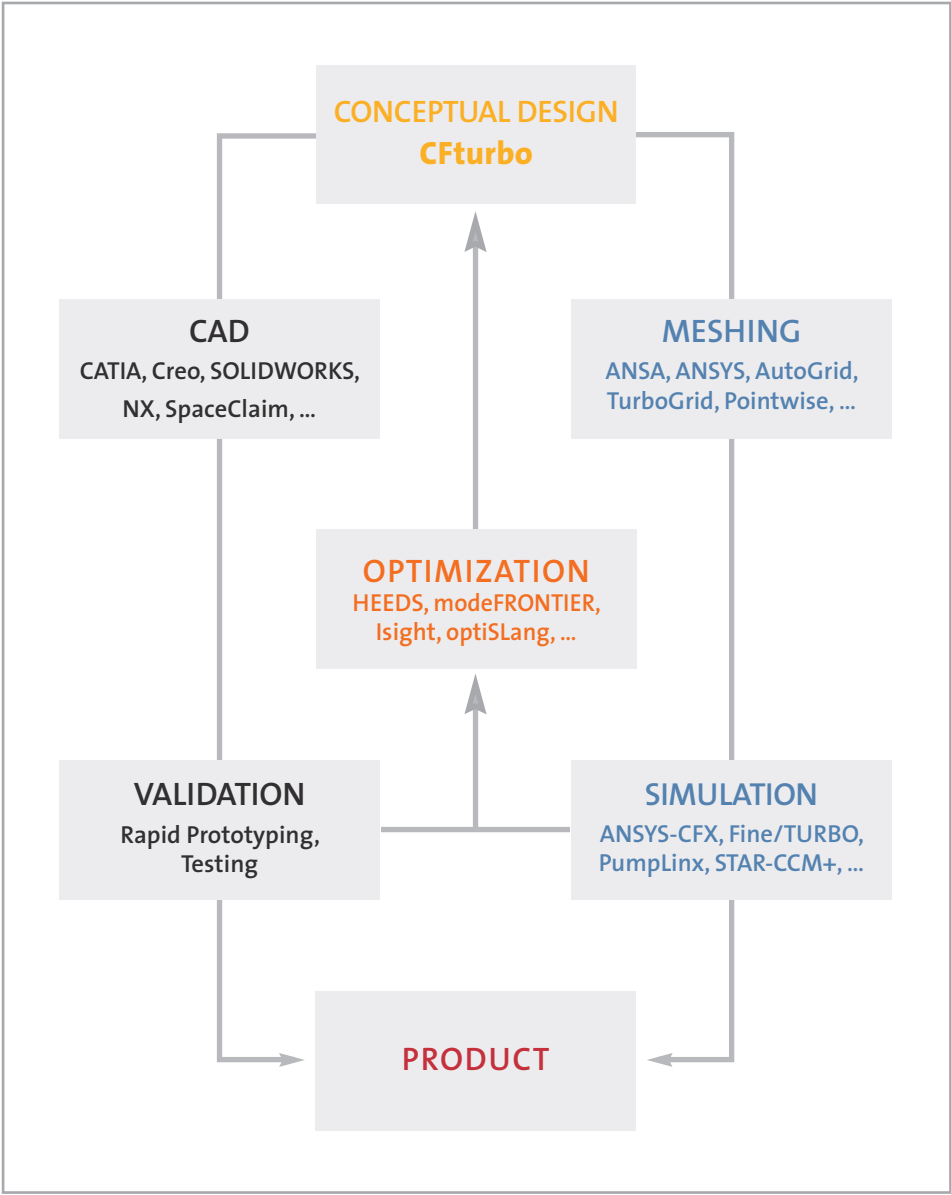


www.cfturbo.com
info@cfturbo.com



The Turbomachinery Design Company

TURBOMACHINERY **PRODUCT DEVELOPMENT**

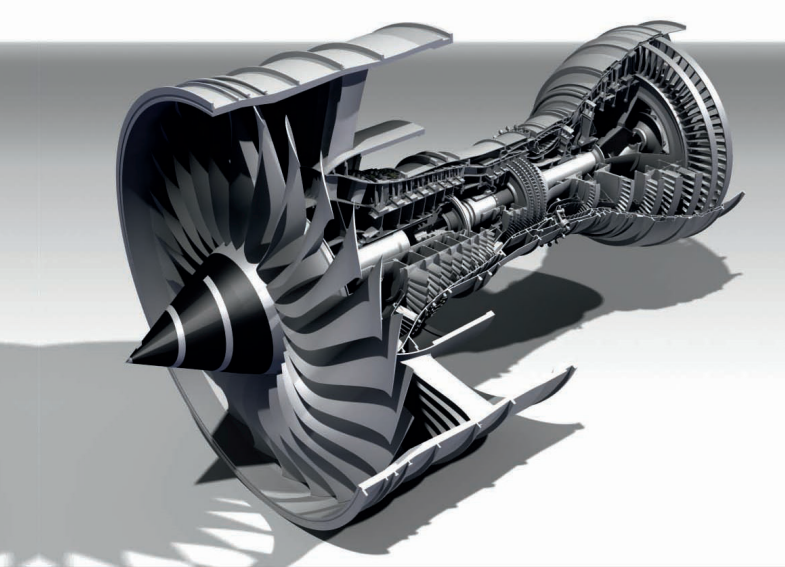


Turbomachinery Product Development
The CFturbo software has interfaces to all major CAD- and CAE-systems to ensure smooth data export. Due to its batch-run capability CFturbo can easily become part of seamless workflows for automated simulation and optimization in order to streamline Turbomachinery product development.

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CFturbo – COMPANY PROFILE



The Turbomachinery Design Company

CFturbo is a leading software for conceptual Turbomachinery design and development. We have created the most user-friendly parametric Turbo-machinery design tool in the world. It is an excellent, interactive development platform for various types of fluid machinery and systems.

The company was established in 2008 in Germany. Its comprehensive technical experiences in Computer Aided Engineering from many different industries is focused on Turbomachinery design, analysis, optimization, prototyping, testing and software development.

We work globally. We do German Engineering. We are **The Turbomachinery Design Company**.

Technology

CFturbo is a parametric, conceptual design software to create 3D-models of Turbomachinery stages and components like impellers, stators and volutes of axial, mixed-flow and centrifugal pumps, blowers, compressors and turbines. The design methodology is based on fundamental equations of fluid mechanics, laws of thermodynamics, affinity laws and on empirical correlations. A constantly growing number of data from simulations and experiments will enable more and more accurate initial designs.

Outstanding Productivity

Intensive cooperation with all software vendors of complementary CAD/CAE/CAM-programs is part of our product development strategy. Thus we are able to offer seamless software solutions for automated design, simulation, optimization of Turbomachinery. CFturbo aligned CAE-workflows will put engineers into a position of outstanding productivity on new design of Turbomachinery, retrofit and optimization. Data export formats to additive manufacturing methods are available.

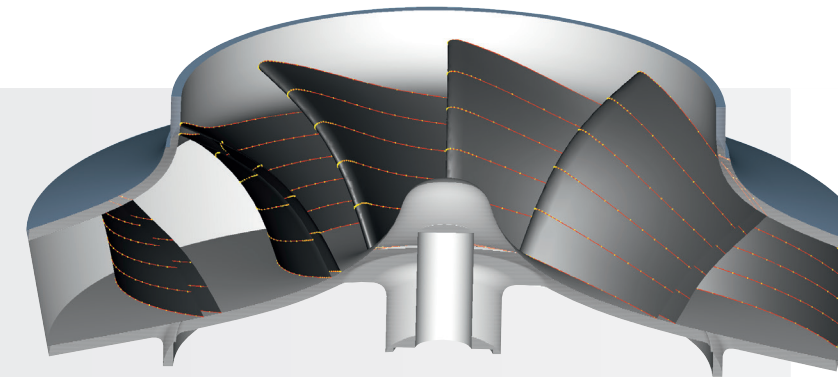
International Network

CFturbo has been developed rapidly to a successful international brand proven by our constantly growing customer base. A network of qualified CFturbo distributors and partner companies around the globe ensure local technical support, consulting and sales. And there is collaboration with colleges, universities as well as governmental institutes in different countries to enhance continuously the scientific basis for our software products and engineering services.

CFturbo – BUSINESS AREAS

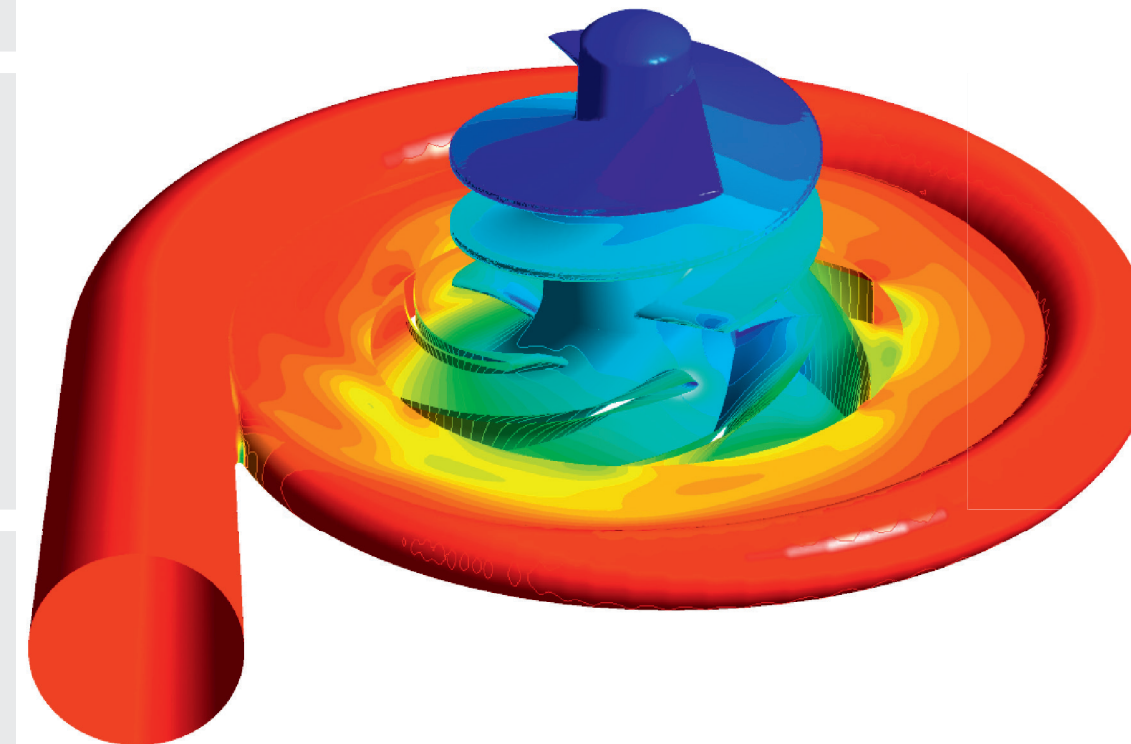
CFturbo Design Software

- Axial, Mixed-flow, Centrifugal Turbomachinery Stages
- Impeller, Volute, Stator, Return Channel, Bowl Diffuser
- Pumps, Fans, Blowers, Compressors, Turbines
- Direct Interfaces to CAD/CAE/CAM-programs
- Integrated Simulation Manager



CAE Workflows

- CAE-Interface development
- Consulting to set-up optimization workflows
- Batch-mode for Virtual DoE or Optimization
- Customize and automate CAE-processes
- Cloud computing workflows



Engineering Services

- Conceptual Design, Simulation, Optimization
- CFD, CHT, FEA, Rotordynamics, Life-Cycle
- Mechanical Design, 3D-CAD, Drawings
- Prototyping, Additive Manufacturing
- Testing and Validation

