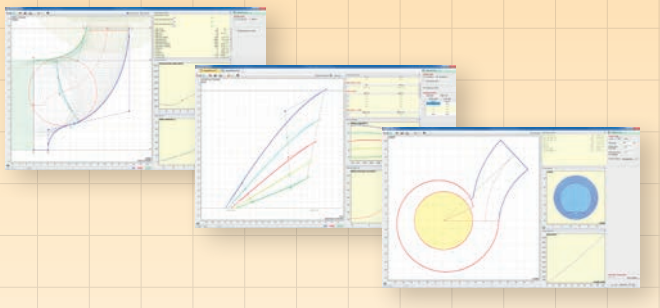
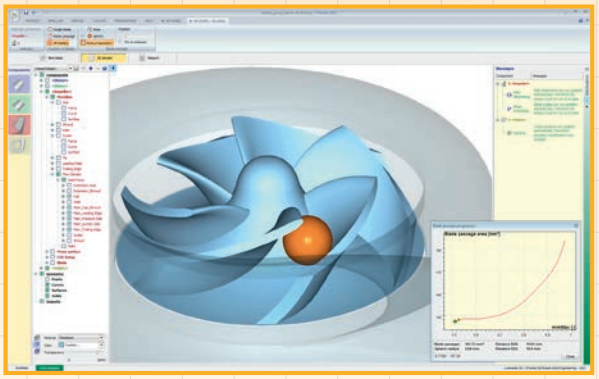
CFturbo® Software & Engineering

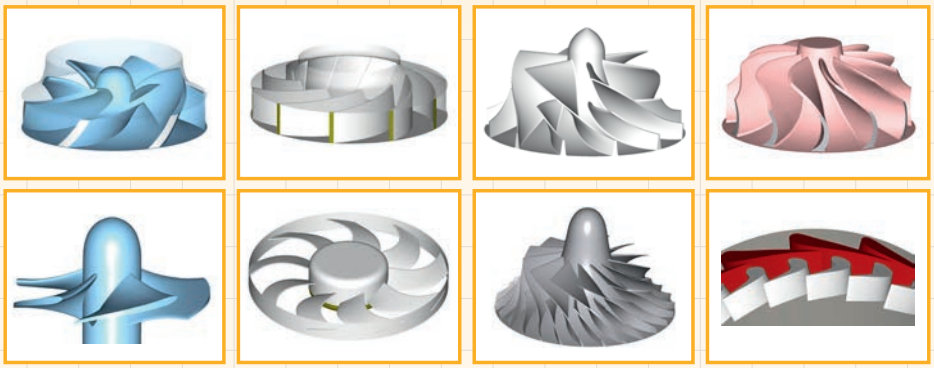
Design Software

TURBOMACHINERY
DESIGN SOFTWARE



- Main dimensions
- Meridional contour
- Blade angles
- Mean lines
- Profiles
- Diffuser
- Spiral casing
- 3D geometry
- Data export
- CAE-Setup





Pump | Blower | Compressor | Turbine

TURBOMACHINERY Design Software

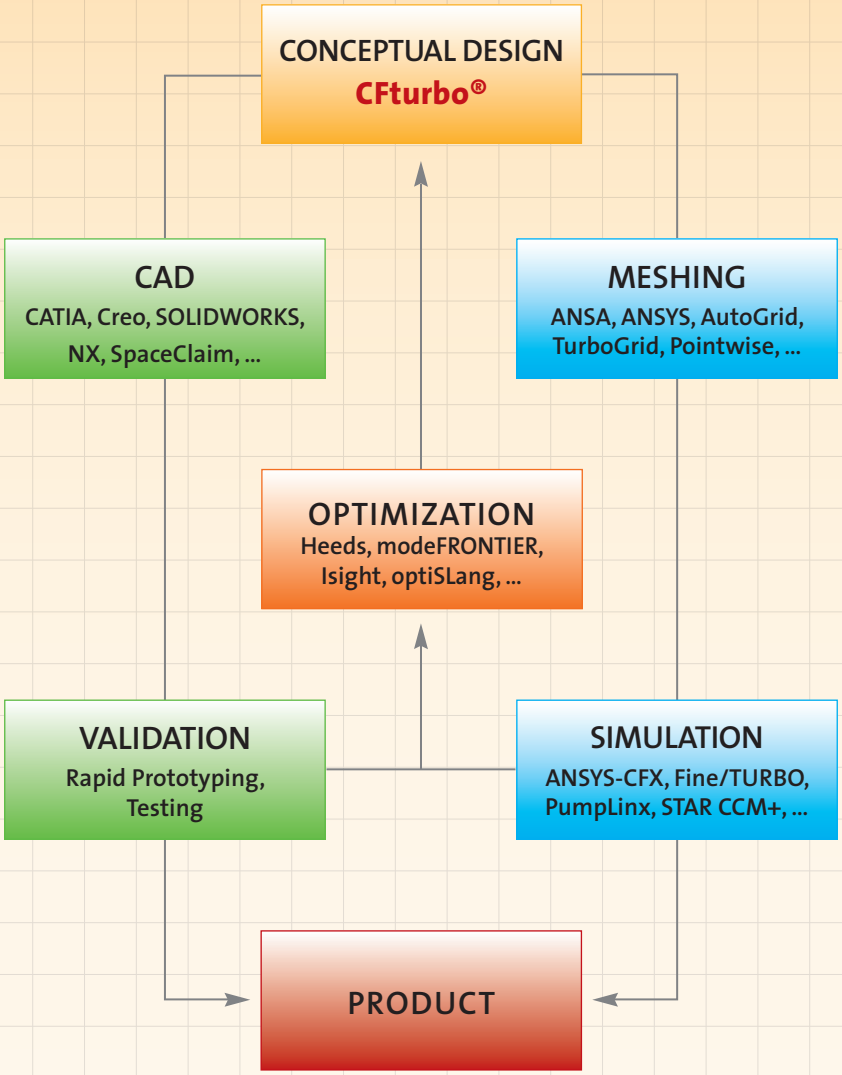
CFturbo® is a user-friendly, parametric conceptual design platform to create Turbomachinery stages and components like impellers, stators and volutes. Based on fundamental equations of fluid mechanics, laws of thermodynamics and on empirical correlations it can be used for axial, mixed-flow and centrifugal pumps, blowers, compressors and turbines.

www.cfturbo.com

CFturbo® Software & Engineering

Product Development

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.

CFturbo® Software & Engineering

Compressor

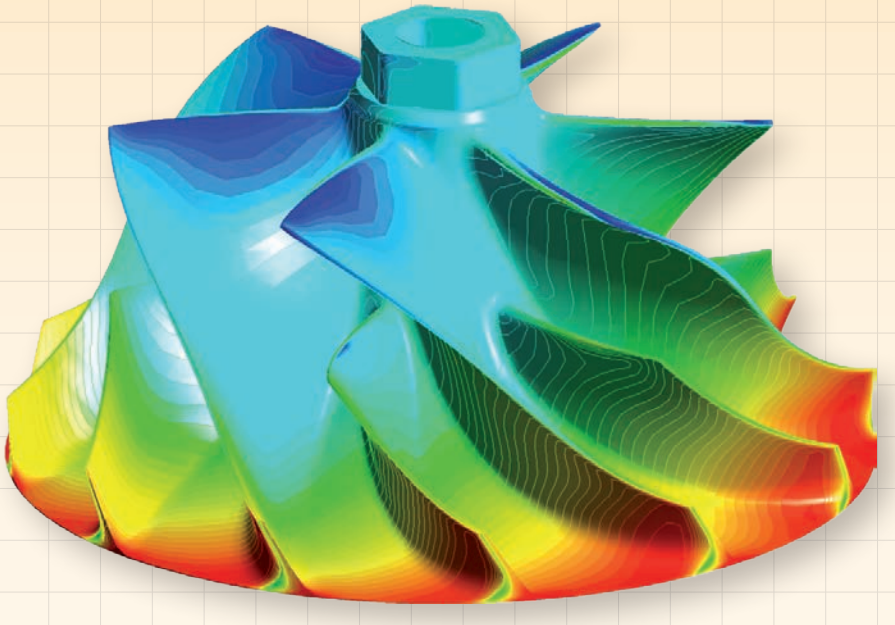
TURBOMACHINERY

ENGINEERING SERVICES

CONCEPTUAL DESIGN

CAE/CFD/FEA CONSULTING

3D-CAD, DRAWINGS



CAE-PROCESS AUTOMATION

OPTIMIZATION

PROTOTYPING

Engineering Services – Compressors and Turbines

The company CFturbo® offers comprehensive engineering services for compressors and turbines. Among them are conceptual design of Turbomachinery components, CFD-, FEA- and rotor-dynamic simulations and optimization, as well as CAD-services, prototyping and testing.

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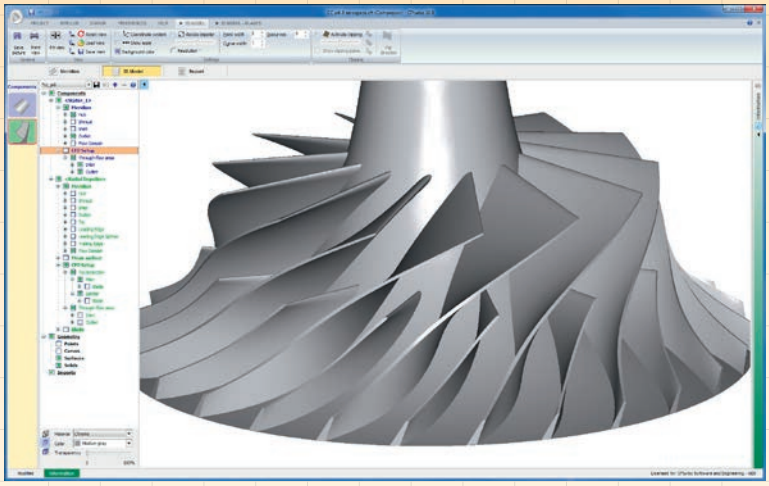
CFturbo® Software & Engineering

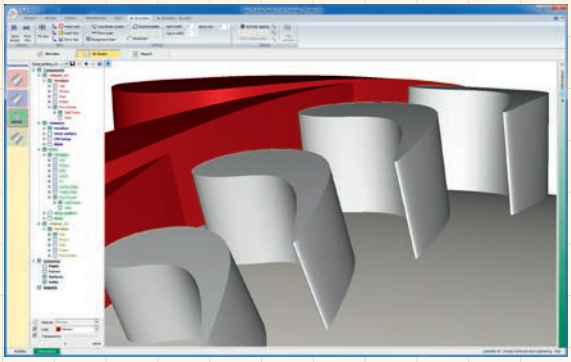
Software

TURBOMACHINERY DESIGN

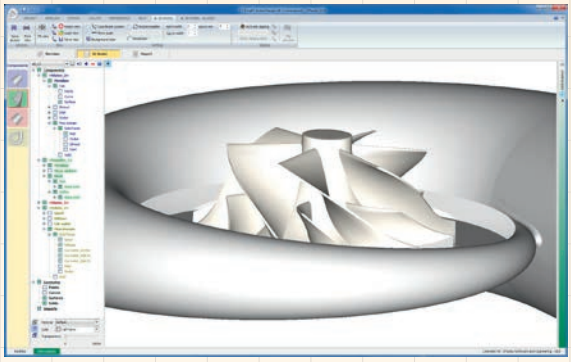
COMPRESSORS & TURBINES



MIXED-FLOW COMPRESSORS



AXIAL AND RADIAL TURBINES



CENTRIFUGAL COMPRESSORS

Design Software – Compressors and Turbines

CFturbo® is an interactive design tool to create compressor and turbine components from scratch or to re-design existing parts. It covers design steps for impeller main dimensions, meridional contours, and blading, as well as for vaned and vaneless stators, return channels and volutes.

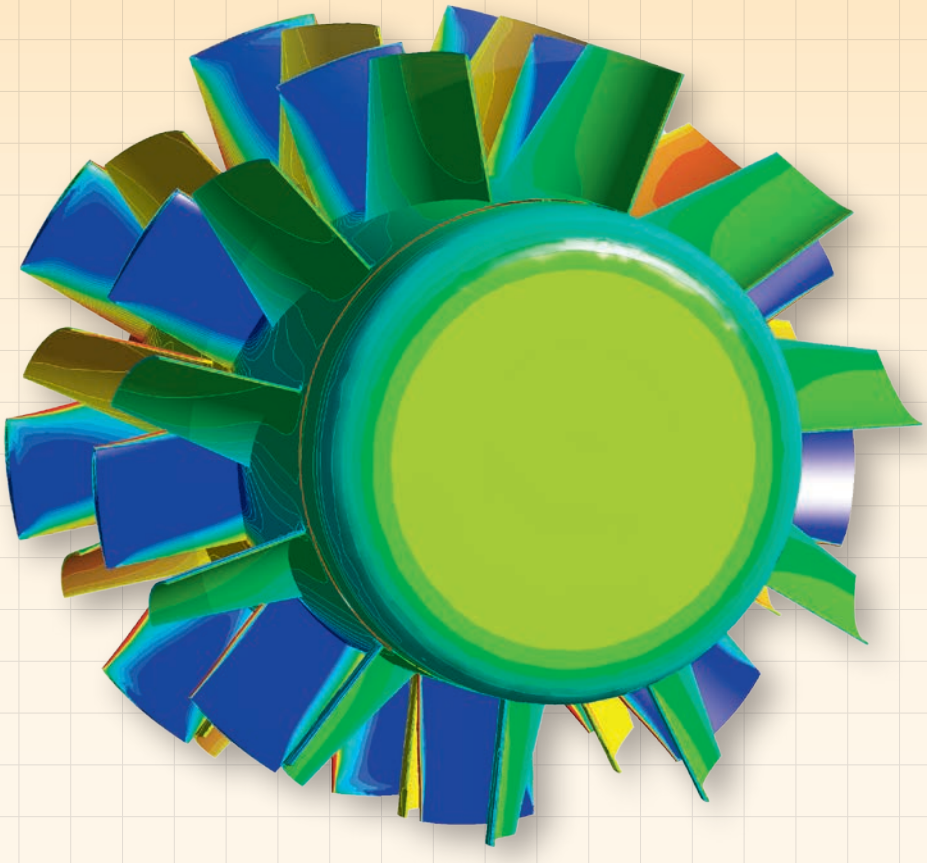
www.cfturbo.com

CFturbo® Software & Engineering

Blower

BLOWERS

ENGINEERING SERVICES



Engineering Services – Blowers and Fans

The company CFturbo® offers comprehensive engineering services for blowers and fans. Among them are conceptual design of Turbomachinery components, CFD-, FEA- and rotor-dynamic simulation and optimization, as well as CAD-services, prototyping and testing.

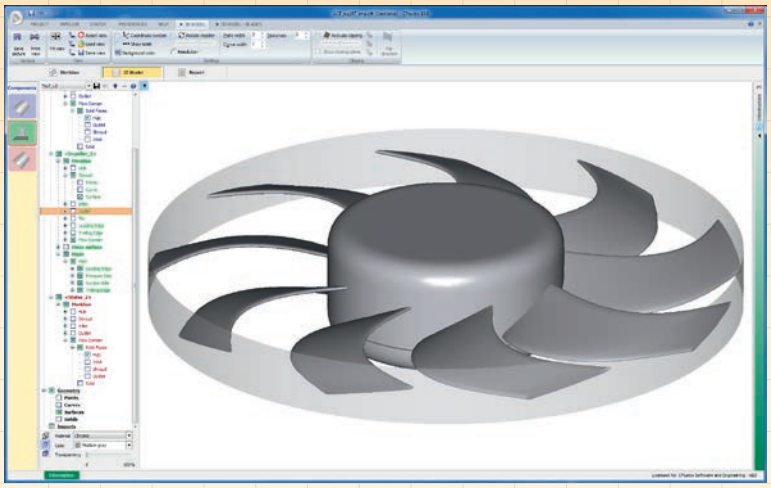
www.cfturbo.com

CFturbo® Software & Engineering

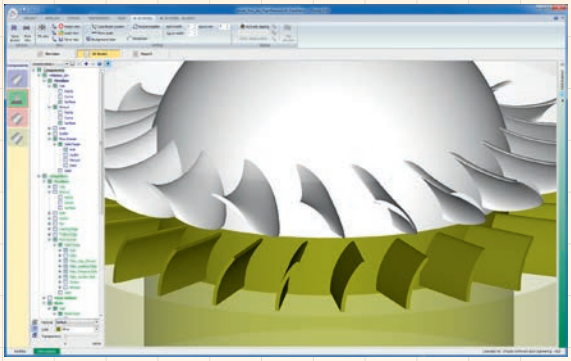
Software

TURBOMACHINERY DESIGN

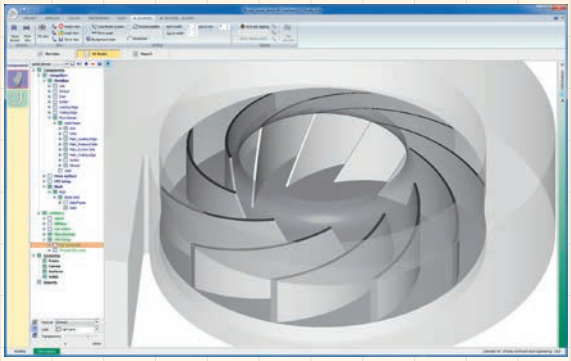
BLOWERS & FANS



AXIAL FANS



MIXED-FLOW FANS



CENTRIFUGAL BLOWERS

Design Software – Blowers and Fans

CFturbo® is an interactive design tool to create centrifugal and mixed-flow blowers and axial fans from scratch or to re-design existing parts. It covers design steps for impeller main dimensions, meridional contours, blading, as well as for vaned and vaneless stators, return channels and volutes.

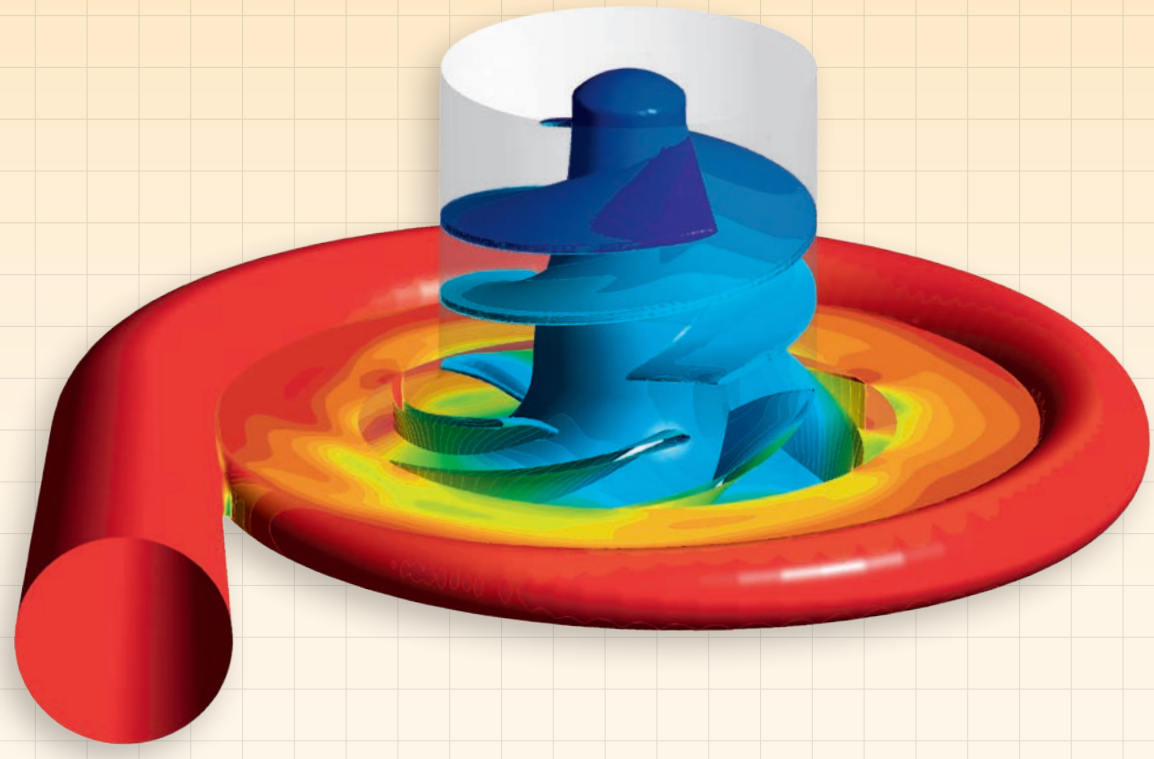
www.cfturbo.com

CFturbo® Software & Engineering

Pump

TURBOMACHINERY

ENGINEERING SERVICES



Engineering Services – Pumps

The company CFturbo® offers comprehensive engineering services for compressors and turbines. Among them are conceptual design of Turbomachinery components, CFD-, FEA- and rotor-dynamic simulations and optimization, as well as CAD-services, prototyping and testing.

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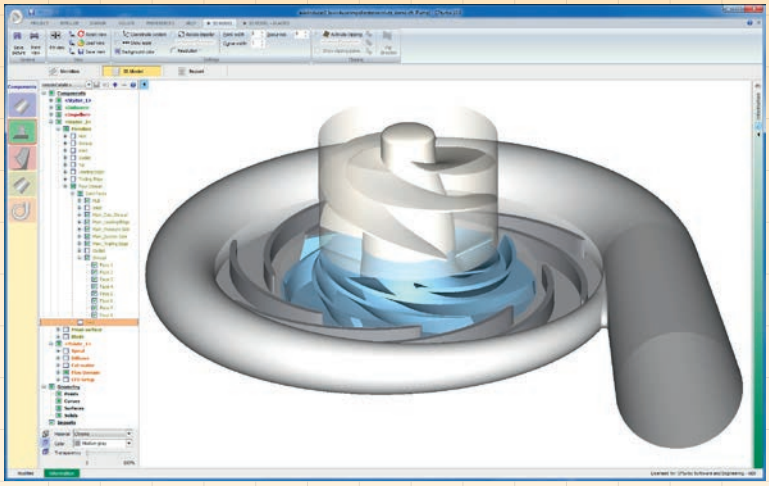
CFturbo® Software & Engineering

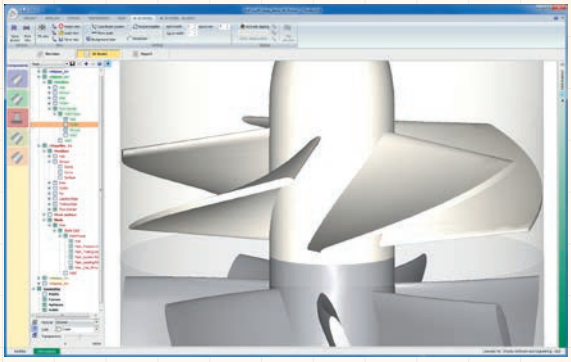
Software

TURBOMACHINERY DESIGN

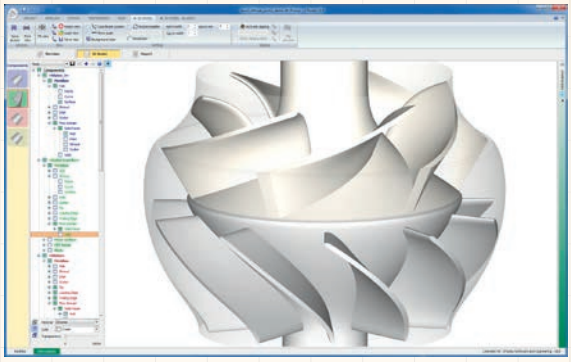
PUMPS



CENTRIFUGAL PUMPS



AXIAL PUMPS, INDUCERS



MIXED-FLOW PUMPS

Design Software – Pumps

CFturbo® is an interactive design tool to create axial, mixed-flow and centrifugal pumps from scratch or to re-design existing parts. It covers design steps for impeller main dimensions, meridional contours, blading, as well as for vaned and vaneless stators, return channels and volutes.

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