

Avizo® Wind

The 3D Visualization Software for Simulation Data

- Visualize, Analyze and Present your Simulation Data
- Unparalleled visualization of CFD/FEA data
- From experimental image to simulation and insight

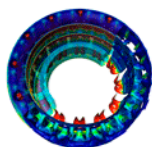
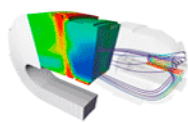
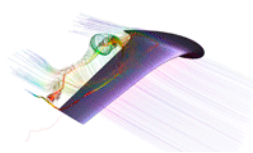
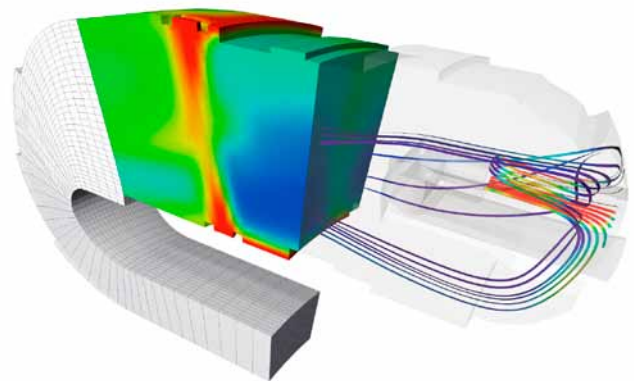


Avizo® Wind is a high-end extensible software for advanced post-processing of simulation data, ranging from flow to thermal, and stress data.

Avizo® Wind brings an extensive array of advanced visualization and analysis tools to CFD and multiphysics, mechanical and thermal engineering, manufacturing simulation and microstructural prediction, non linear structural and geotechnical problems.

Avizo® Wind delivers unique advanced capabilities which makes understanding of multiphysics simulation data easier than never before:

- Unrivalled graphics quality
- Unique ability to fuse data from multiple input
- Multiphysics visualization and analysis
- Faster display, quicker analysis
- Wide range of data types supported
- Efficient and accurate feature extraction
- Memory savvy for processing large meshes
- Matlab® connection
- Visual management of analysis workflow
- Model reconstruction from image stacks to solver pre-processing



Courtesy:
Right: Turbomeca

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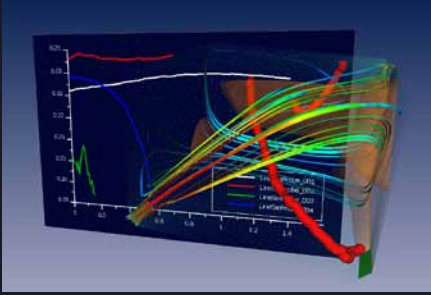


Image: Skoda

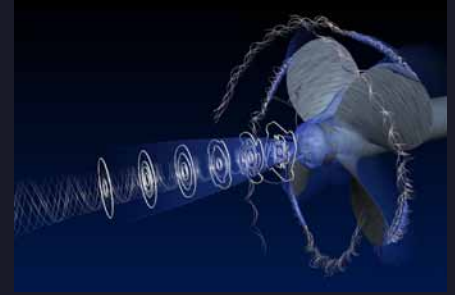
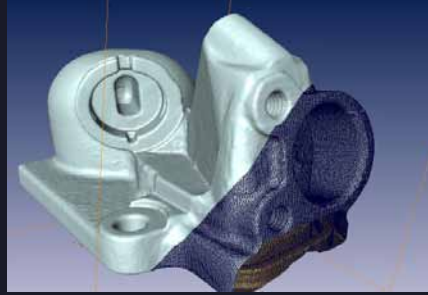


Image: ZIB, HSVA, INSEAN, TU Berlin

Extensive data support

- Wide range of formats: Abaqus, Ansys, CGNS, Enight, Fluent, Ideas, Nasa/Plot3D, Nastran, Star-CCM, Tecplot, ...
- Scalar, vector, tensor fields
- Multiphysics data support
- Transient and steady data support
- Simulated and measured data support
- Readers available for CAD data

Advanced visualization

- High-end 2D/3D visualization techniques
- Effective and innovative flow visualization:
 - ISL (Illuminated Stream Lines)
 - flow textures (Line Integral Convolution)
 - local flow field probe
 - extended particle animation
- Flexible data mapping

Powerful exploration and analysis features

- Slicing, iso-surface, probing, etc.
- Surface/volume statistics
- Accurate automatic feature identification: vortex core line extraction, critical points extraction...
- Secondary variables computation like enstrophy, vorticity, Mach number...
- Matlab® connection

Presentation and collaboration

- Export statistics to spreadsheet
- High quality representations
- Direct movie file export, demo scenarios authoring
- Remote collaboration support
- VR support for high-resolution, large displays, stereoscopic projections, CAVE®

Supported Platforms

- Windows® XP /Vista 32-/64-bit
- Linux® RHEL 4/5 32-/64-bit
- MacOS®X 10.5 32-bit