



VisPER

Visual PERMAS

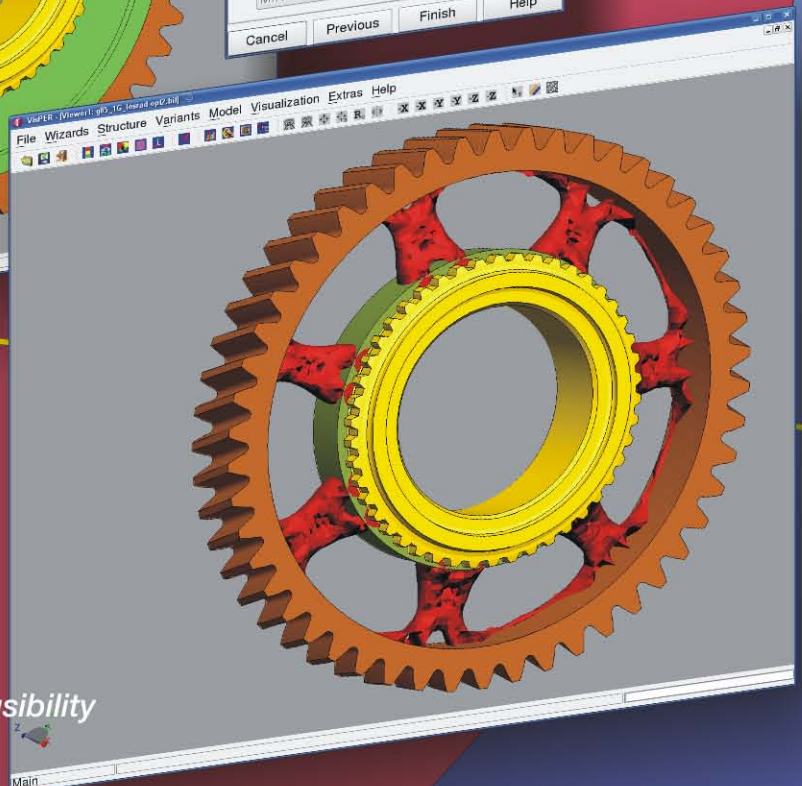
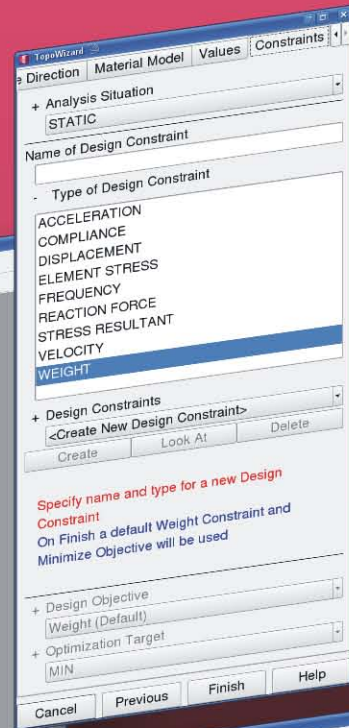
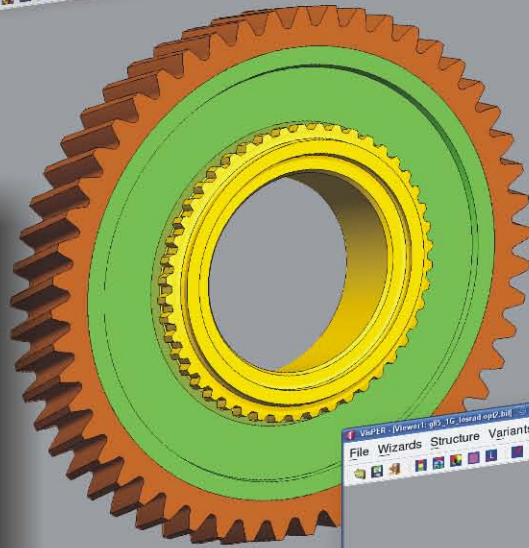
The graphical model editor for PERMAS features:

- Extended model description
- Verification of existing models
- Integrated post-processing results
- Automation by scripting
- Extensive configurability

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Wizard for topology optimization

- Definition of design space
- Specifying design parameters
- Selecting objective function and constraints
- Defining manufacturing constraints
- Generation of a smoothed hull



Main features of wizard technique:

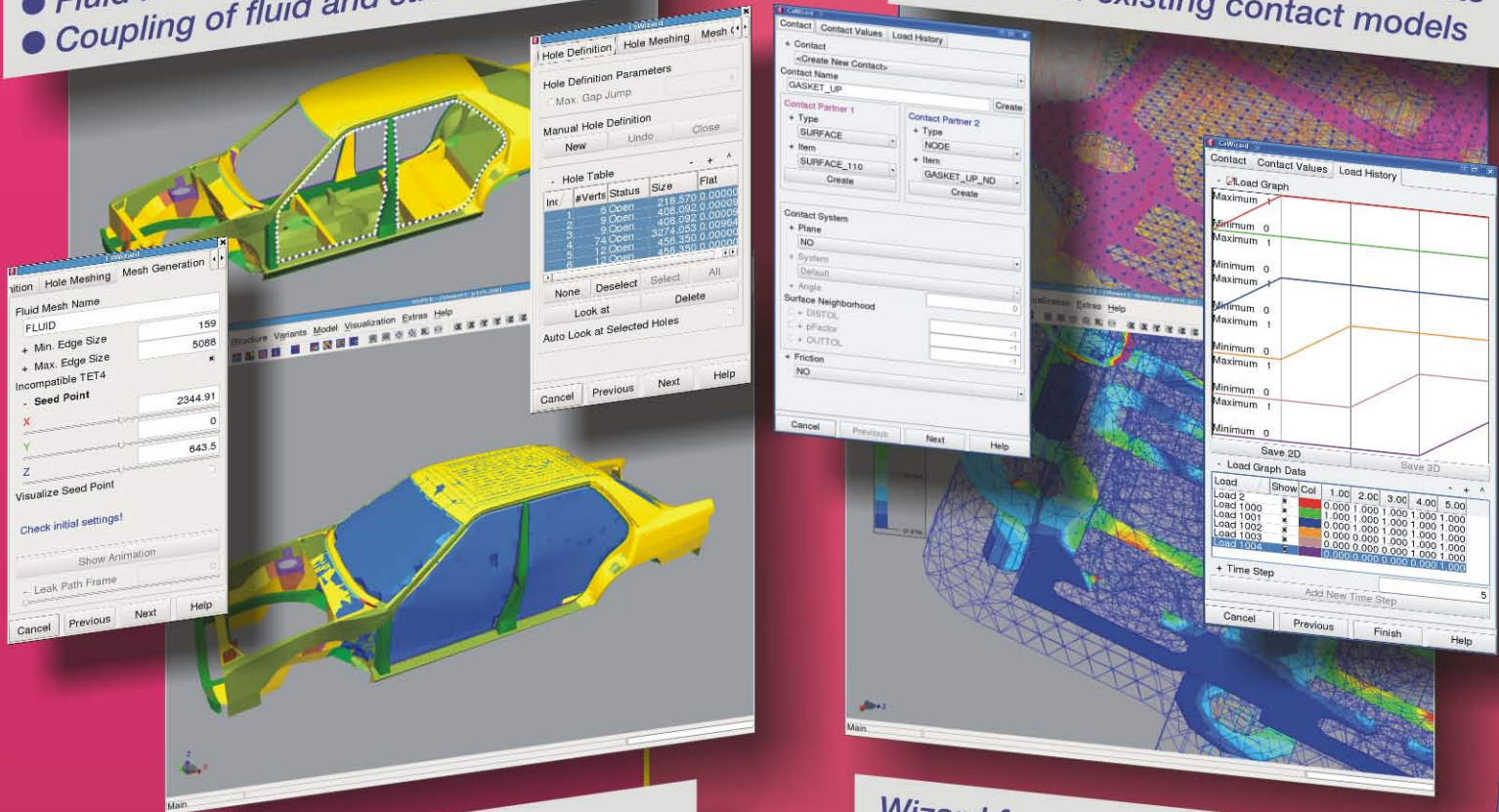
- Guided stepwise procedure
- Automatic checks for completeness and plausibility
- Immediate visual feedback
- Input boxes with customizable tooltips
- Configurable default parameters for ease of use

Wizard for fluid-structure acoustics

- Recommended mesh size
- Hole detection or definition
- Hole meshing
- Fluid mesh generation
- Coupling of fluid and structure

Wizard for contact analysis

- Selecting contact partners
- Specifying contact parameters
- Defining load history
- Evaluating contact analysis results
- Check of existing contact models

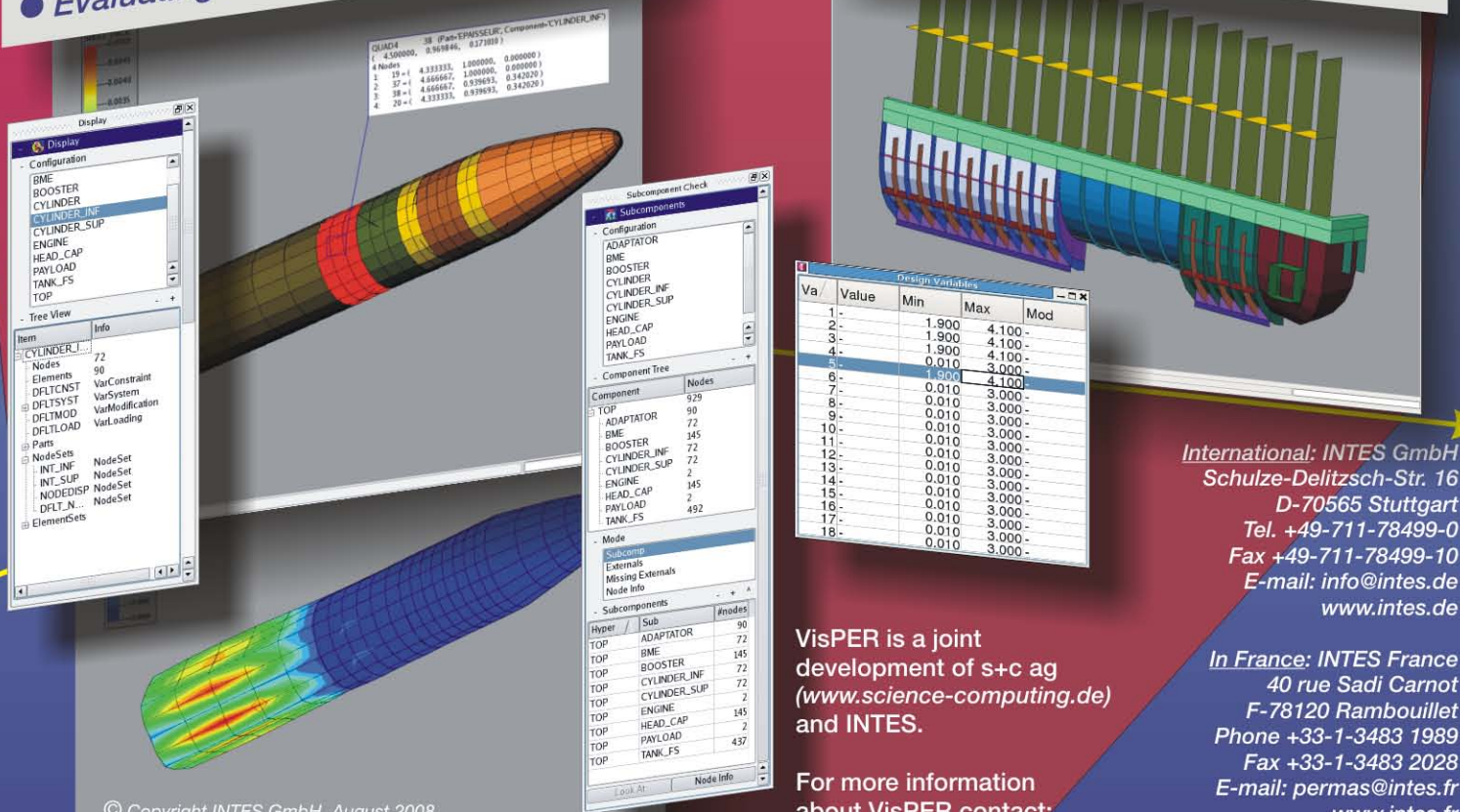


Verification of substructure models

- Visualizing model parts or full model
- Navigating through substructure tree
- Verifying substructure coupling
- Evaluating results on full model

Wizard for sizing optimization

- Defining design elements
- Specifying and limiting parameters
- Selecting objective function and design constraints



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