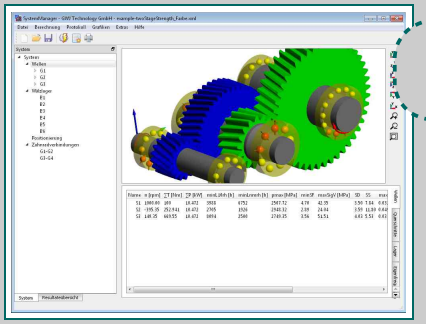
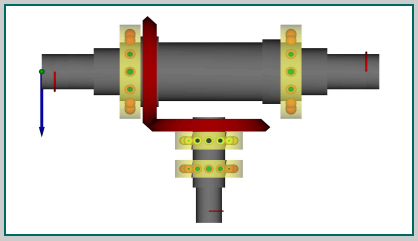
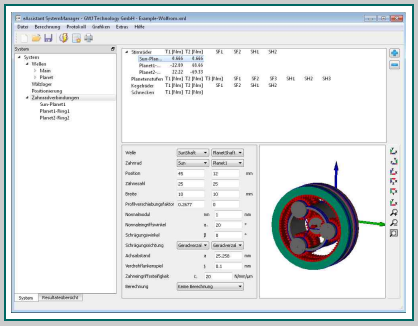
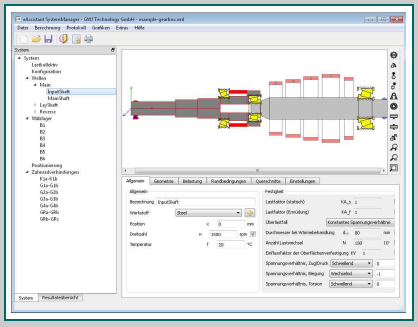
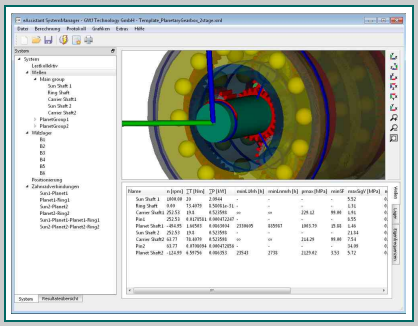






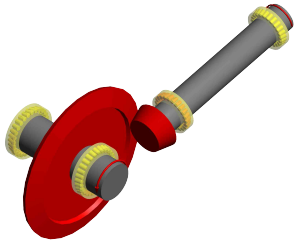




SystemManager

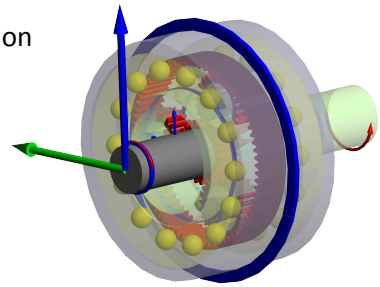
This workshop focuses on the "SystemManager" software and covers the basic information needed to start using this software application, such as the basic handling and the possibilities the software offers. No special prior knowing is required. After the theoretical basics, the course allows a deeper dive into the software, using practical examples.

The seminar is for young professionals, experienced engineers, designers and technicians.



Main Topics

- Introduction, configuration, general settings
- Configuration of result display and graphics
- Specifications for system calculation: Weight, eigenfrequencies, housing material, temperature, necessary rating life
- Coordinate system
- Tree structure, group definition, moving and copying of shafts
- Shaft calculation: Fatigue strength, shear deformation, load spectra, lubrication, ...
- Definition of shafts: Input of geometry, import of shafts, loads, bearings/boundary conditions, non-linear bearing stiffness, ...
- Gear connections
- Positioning possibilities
- Power flow, deformations, eigenfrequencies
- Output of calculation reports and result graphics
- Draft design of cylindrical gear pairs
- Distribution of transmission ratio for cylindrical gears
- Influence of temperatures on the calculation
- Configuration of planetary gear stages & bevel gear stages
- Calculation with load spectra
- Flank and parameter variations
- 3D elastic parts



The seminar includes practical excercises with SystemManager. Individual questions are allowed and welcomed during the workshop (depending on time).

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