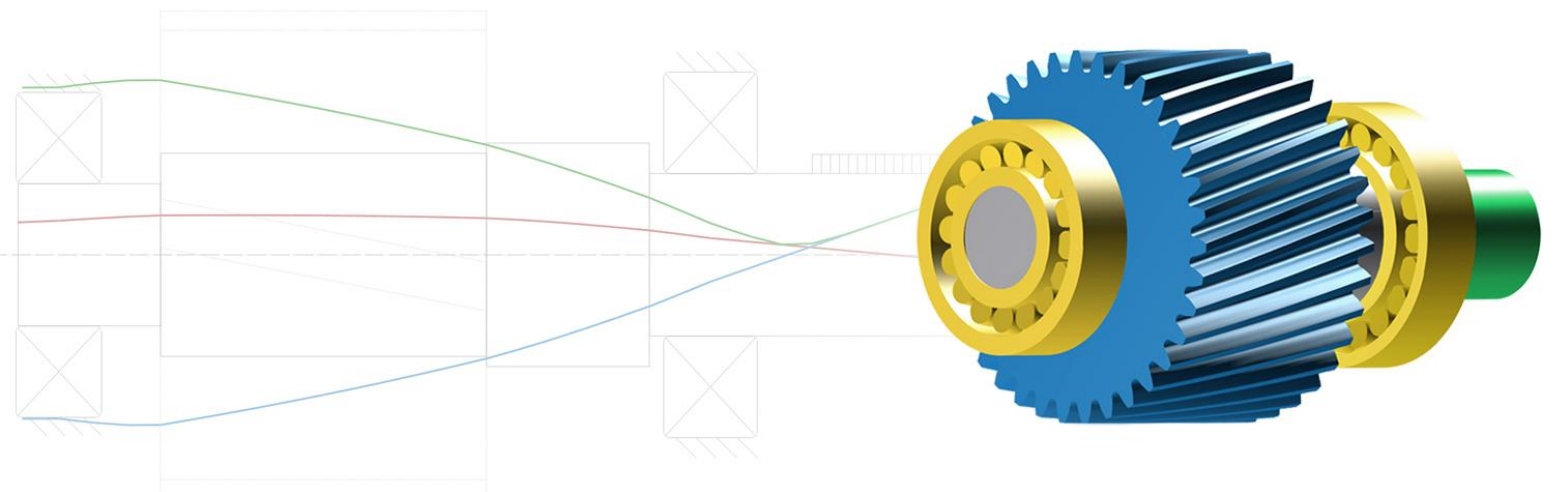


Basic Training

Shafts and Bearings:
Modeling, Strength and Lifetime Basics

2 Live Stream Sessions



General Scope

- General settings
- Maintenance of databases (materials, bearings etc.)
- Settings and adaptations for reports, possibilities of project administration
- Generation and application of calculation templates, settings in kiss.ini

Shaft Editor

- Shaft modeling and use of elements tree
- Sizing of cross sections for shaft strength calculation
- Sizing of bearings
- Showing results

Shaft Calculation

- Calculation of shaft deformation and internal forces
- Overview of shaft strength calculations
- Explanations to graphics and reports
- Consideration of gears, weight, temperatures etc.

Bearing Calculation

- Overview of the ISO calculation methods
- Influence of bearing stiffness on displacements and forces
- Influence of inner geometry on bearing rating life
- Consideration of tolerances, temperatures etc.

