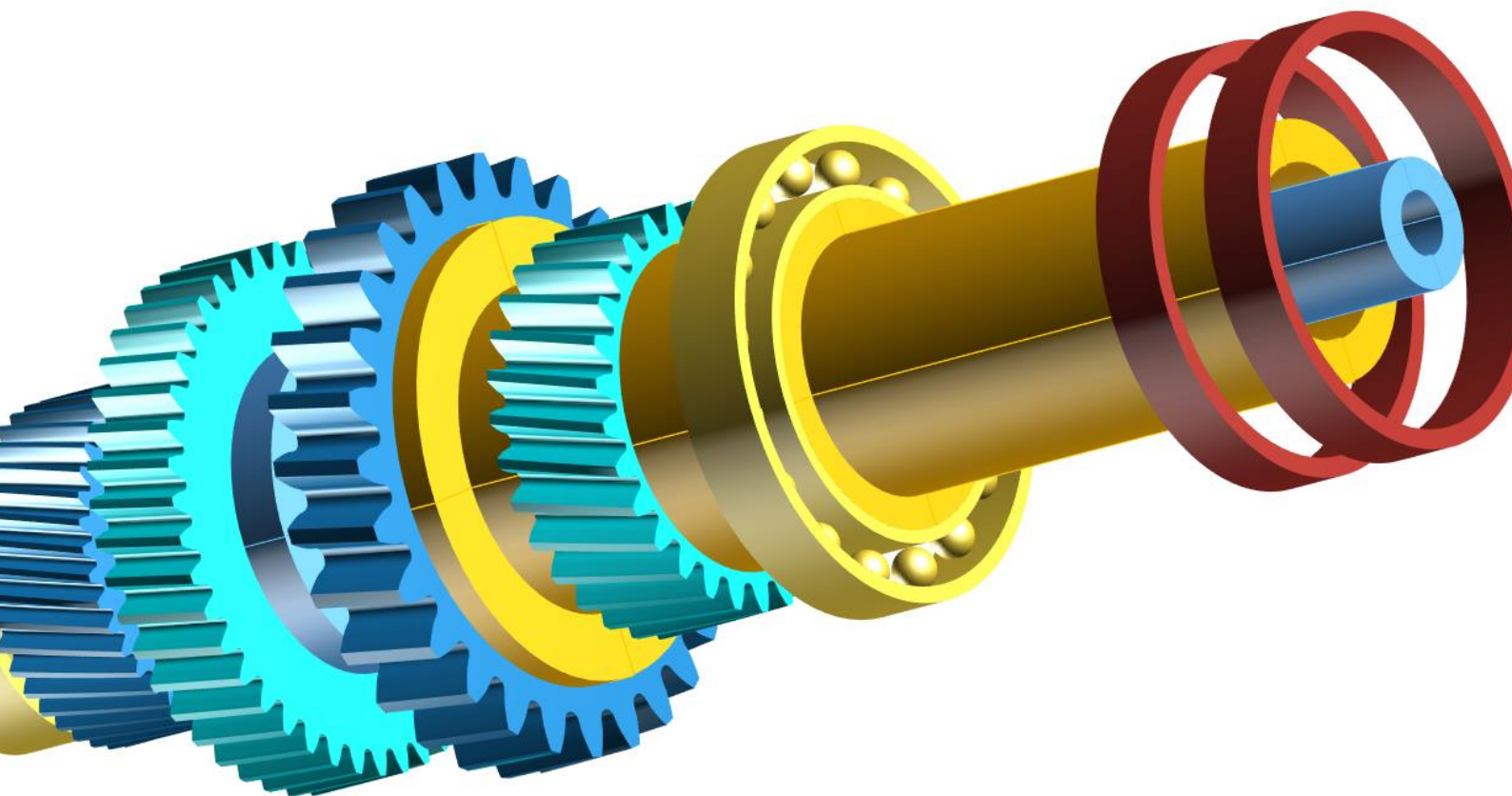


KISSsoft Live Stream Training

Basic: Shaft and Bearing Calculation

March 3-4, 2021



Day 1: March 3, 2021

08:30 – 08:40 am	Welcome
08:40 – 10:10 am	Introduction to KISSsoft Shaft and Bearing Calculation
10:10 – 10:30 am	Break
10:30 – 12:00 am	Introduction to KISSsoft Shaft and Bearing Calculation
Exercises	Exercises 1 and 2
04:00 – 05:00 pm	Questions & Answers

Day 2: March 4, 2021

08:30 – 08:40 am	Follow up Exercises
08:40 – 10:10 am	Introduction to KISSsoft Shaft and Bearing Calculation
10:10 – 10:30 am	Break
10:30 – 12:00 am	Introduction to KISSsoft Shaft and Bearing Calculation
Exercises	Exercise 3
04:00 – 05:00 pm	Questions & Answers

General Scope

- General settings
- Maintenance of technology data base (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 in shaft editor and use of elements tree, interpretation of results
- Sizing of bearings
- Sizing of cross sections for shaft strength and beam models

Shaft Calculation

- Shaft calculation including calculation of deformation
- Overview on shaft strength calculations
- Explanations to graphics and reports
- Various stress cases of gear modeling effects
- Consideration of temperatures

Bearing Calculation

- Overview of the ISO calculation methods
- Influence of bearing stiffness on displacements and forces
- Influence of inner geometry on bearing life time and bearing liability

