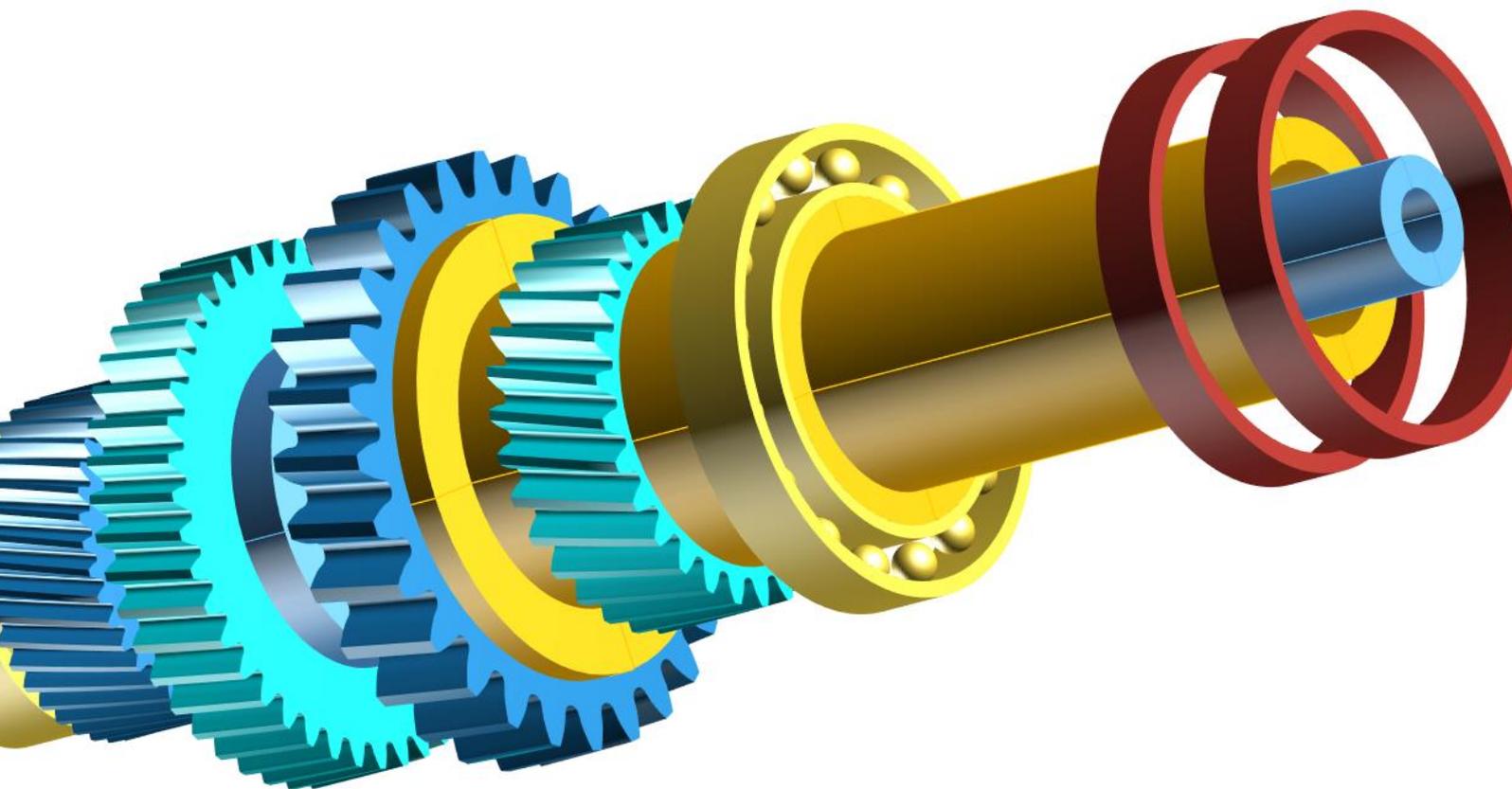


# KISSsoft Live Stream Training

Basic: Shaft and Bearing Calculation

February 28 - March 1, 2023



The below schedule is shown in time zone CET 2:00 pm – 6:00 pm (Brussels)

**Session 1:** February 28, 2023

- 2:00 – 2:10 pm Welcome
- 2:10 – 3:50 pm Introduction KISSsoft Shaft and Bearing Calculation (user interface, shaft editor)
- 3:50 – 4:10 pm Break
- 4:10 – 5:40 pm Introduction KISSsoft Shaft and Bearing Calculation (shaft editor, shaft calculation)
- 5:40 – 6:00 pm Introduction Exercises

**Exercises** **Exercise 1 and 2**

**Session 2:** March 1, 2023

- 2:00 – 2:20 pm Exercise follow up
- 2:30 – 3:50 pm Introduction KISSsoft Shaft and Bearing Calculation (strength calculation, inputs and graphics)
- 3:50 – 4:10 pm Break
- 4:10 – 5:40 pm Introduction KISSsoft Shaft and Bearing Calculation (bearing calculation)
- 5:40 – 6:00 pm Presentation and Discussion Exercises

**Exercises** **Exercise 3**

## 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 lifetime and bearing liability

