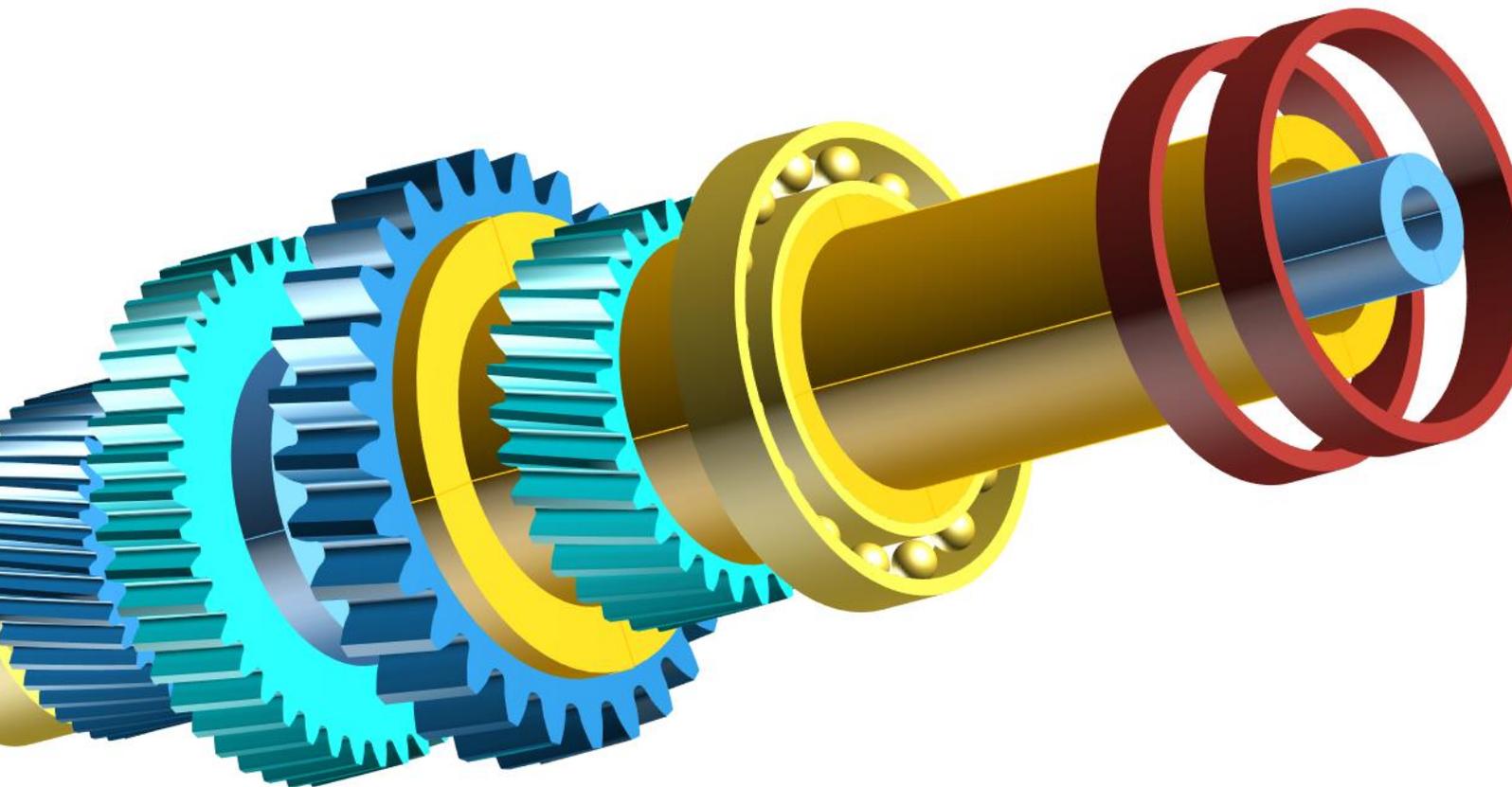


# KISSsoft Live Stream Training

Basic: Shaft and Bearing Calculation

October 10-11, 2022



The below schedule is shown in time zone CET 02:00 pm – 06:00 pm (Brussels)

**Session 1:**            **October 10, 2022**

- 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 – 6:40 pm        Introduction Exercises

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

**Session 2:**            **October 11, 2022**

- 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 life time and bearing liability

