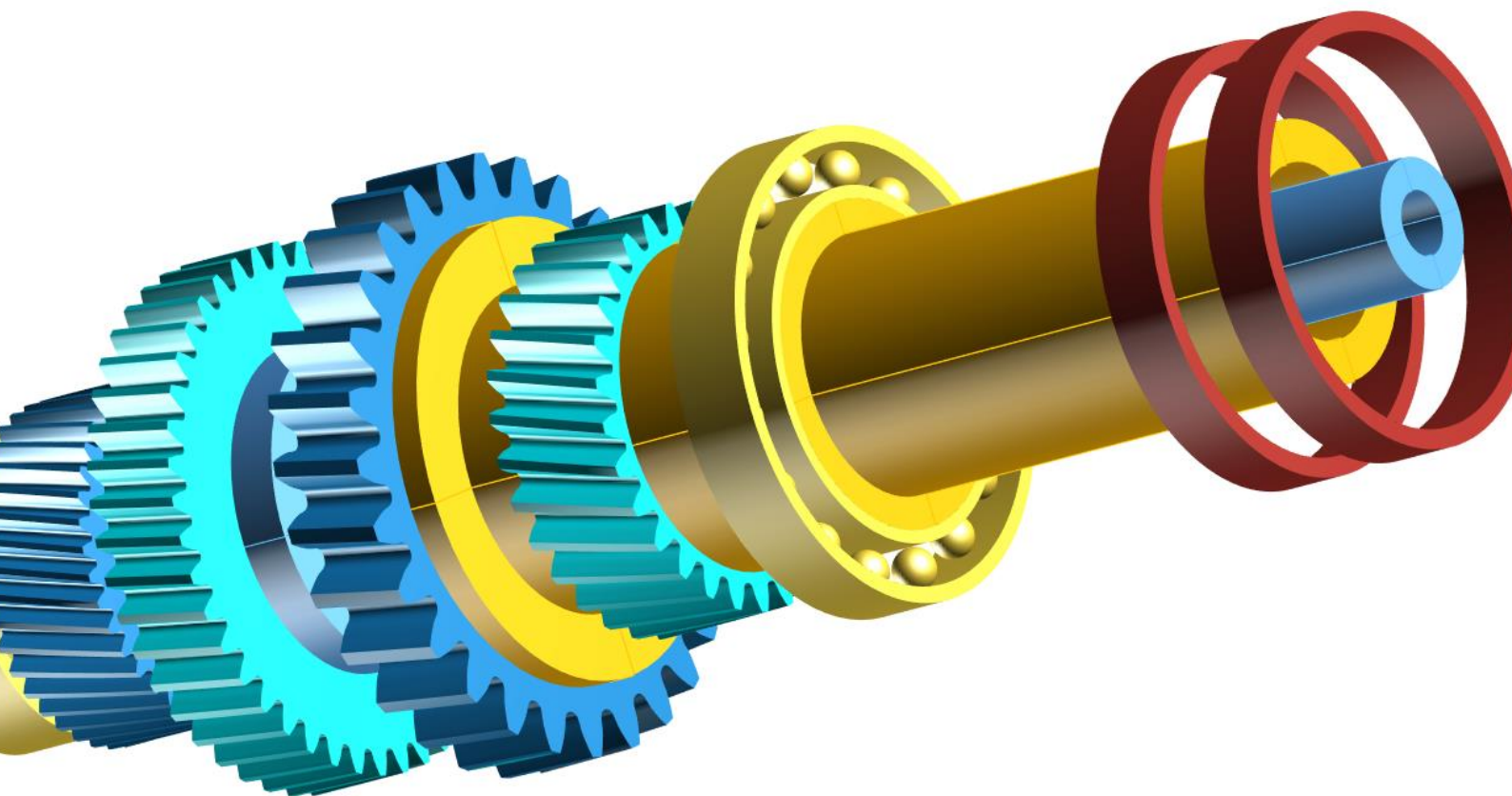# KISSsoft Live Stream Training

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 – 6:40 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