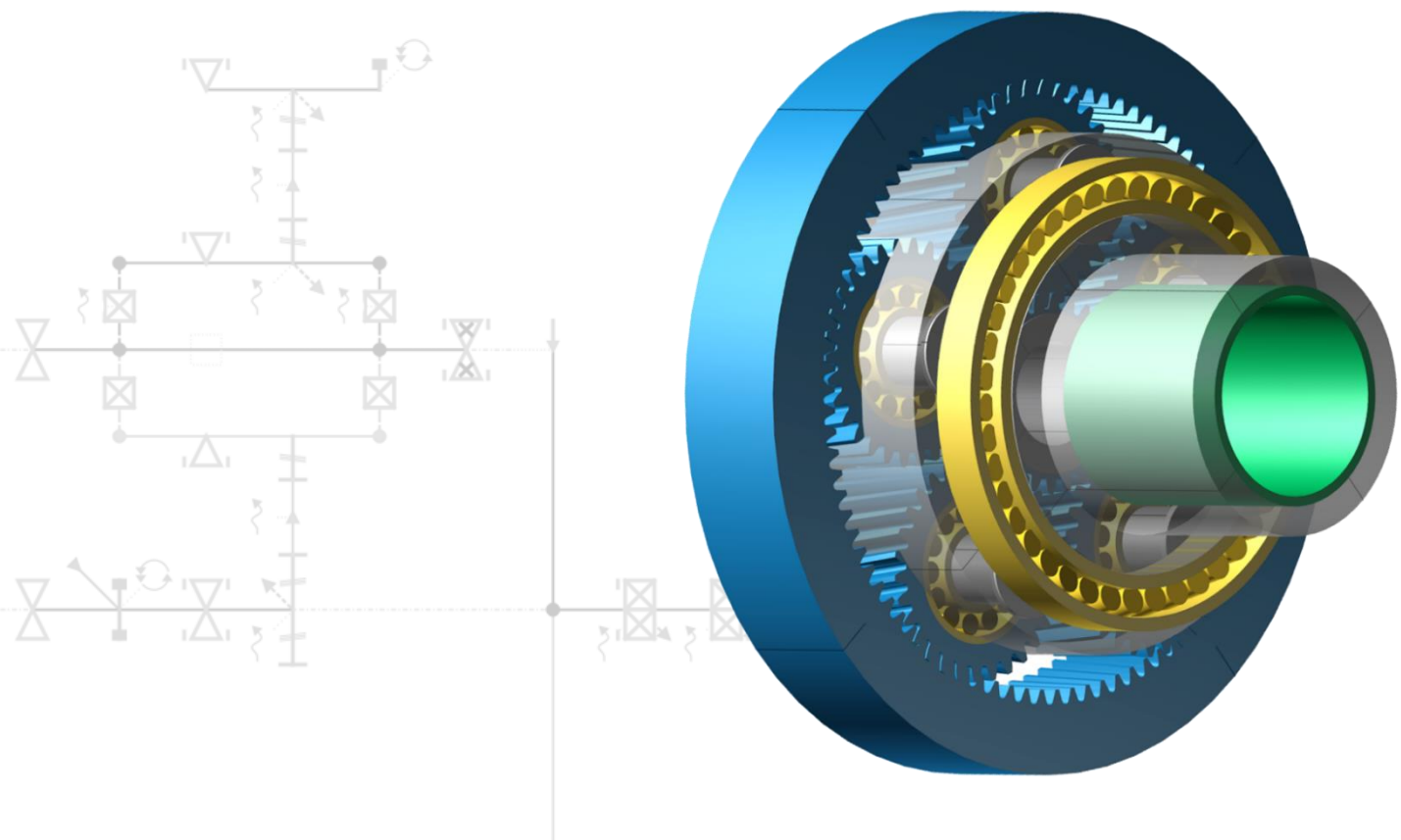# KISSsoft Training

KISSdesign – Package 1:
Strength Rating, Load Spectrum and Efficiency Calculation

2 Live Stream Sessions

Sharing Knowledge

Session 1: KISSdesign Strength Rating and Consideration of Losses

- Strength rating of completed models with nominal load
- Theory about gearbox losses
- Consideration of gear contact, gear churning, bearing and seal losses
- Presentation of different result outputs

Session 2: KISSdesign Load Spectrum and Thermal Rating

- Definition of load spectrum in the system
- Consideration of different operating modes
- Strength rating of gearboxes with loadspectrum
- Theory about thermal rating of gearboxes
- Thermal rating of complete models in KISSdesign

	Boundary condition	Elements	Input	Torque loss [Nm]	Power loss [kW]	Efficiency [%]	Correction factor
	powerloss-3	zs - zp	None	-819.7442	-4.4077	99.2677	1.0000
	powerloss-2	zp - zr	None	493.2273	-2.2985	99.6196	1.0000
	powerloss-1	zs	None	-5.5812	-0.0388	99.9990	1.0000
	powerloss0	zr	None	0.0000	0.0000	100.0000	1.0000
	powerloss1	zp	None	12.8864	-0.0601	99.9901	1.0000
	powerloss2	b1	None	-150.6777	-0.2367	99.9939	1.0000
	powerloss3	b2	None	-150.6777	-0.2367	99.9939	1.0000
	powerloss4	cb1	None	0.0000	0.0000	100.0000	1.0000
	powerloss5	cb2	None	0.0000	0.0000	100.0000	1.0000