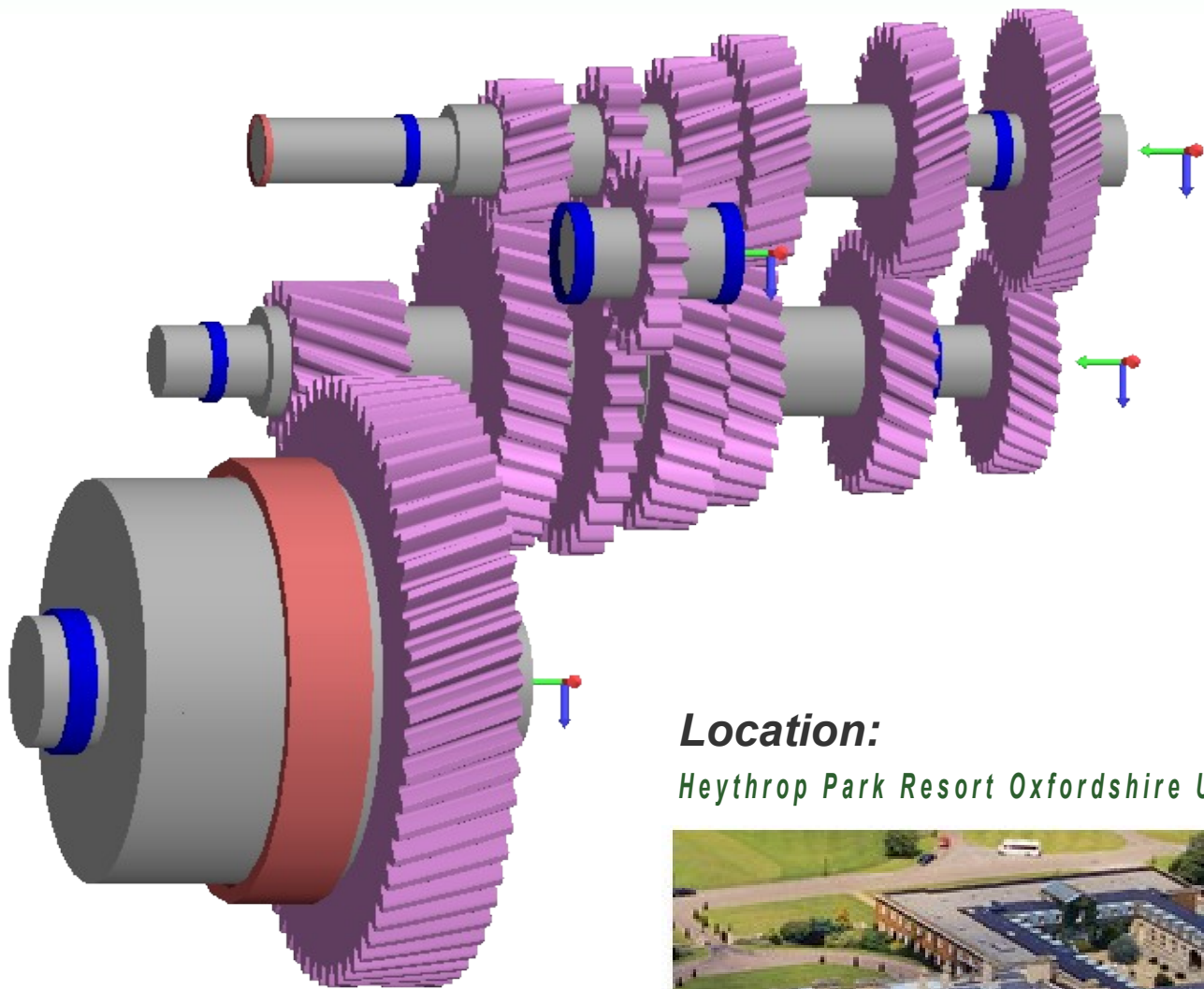


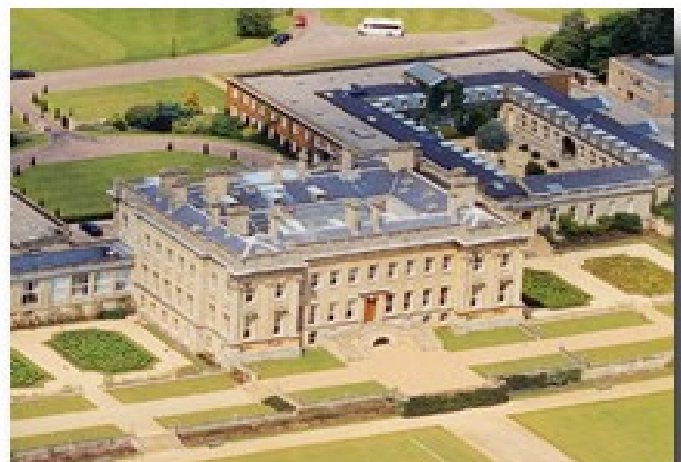
Gear And Bearing Technology Seminar

4th & 5th September 2012



Location:

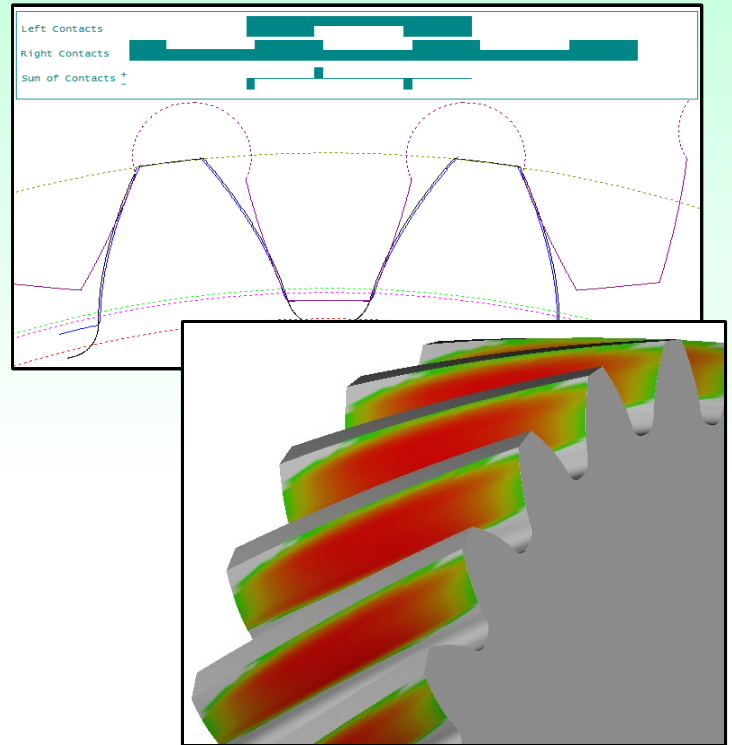
Heythrop Park Resort Oxfordshire UK



Gear And Bearing Technology Seminar

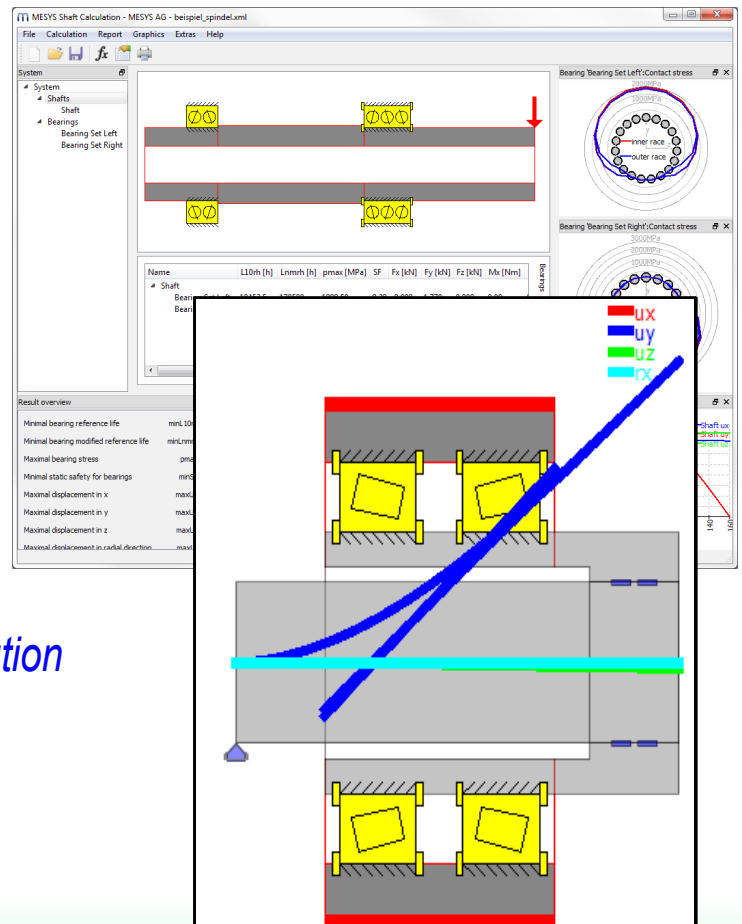
Day 1 – Gears 9am-5pm

- Overview of Gear Rating
- Gear Forces (spur, helical and bevel)
- Overview of Gear Manufacture
- Influence of Manufacture on Gear Stress
- Effect of Misalignment Gear Rating
- Modelling Gear Misalignment
- Effect of Misalignment on Performance
- Optimise Transmission Performance



Day 2 – Bearings 9am-5pm

- Calculation of bearing life according ISO 281 and ISO/TS 16281
- Load capacity
- Calculation of load distribution in the bearing
- Influence factors, clearance
- Calculation using load spectra
- Hardness depth for large bearings
- Interaction of shaft-bearing calculation
- Natural frequencies, bearing stiffness
- Combinations of spindle bearings
- Systems of several shafts
- Characteristics for track rollers a
- Ball bearings , Spin-to-roll-ratio, PV, QV
- Clearance at four-point-bearings
- Influence of centrifugal forces
- Influence of roller profiles
- Extended calculation of pressure distribution



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Gear And Bearing Technology Seminar

- NAME :
- COMPANY :
- ADDRESS :
- :
- COUNTRY :
- TELEPHONE :
- FAX :
- EMAIL :

- **OUR COMPANY IS INTERESTED IN:**
- **4th September** Gear Design Technology **Persons**
- **5th September** Bearing Design Technology **Persons**
- **4th & 5th September** **Persons**
- **Monday** **Tuesday** **Wednesday Accommodation**

*Applications to Clare Knight
email uk@dontynesystems.com / Fax 01661 523614*

Prices

1 Day £395 (£295 **Early Bird** rate before 15th August)
2 Day £645 (£545 **Early Bird** rate before 15th August)

- 2 Day rate includes 1 night room, 3 course evening meal, breakfast and access to resort facilities.
- Individual Monday, Tuesday or Wednesday night accommodation additional £69
- All costs exclude VAT.