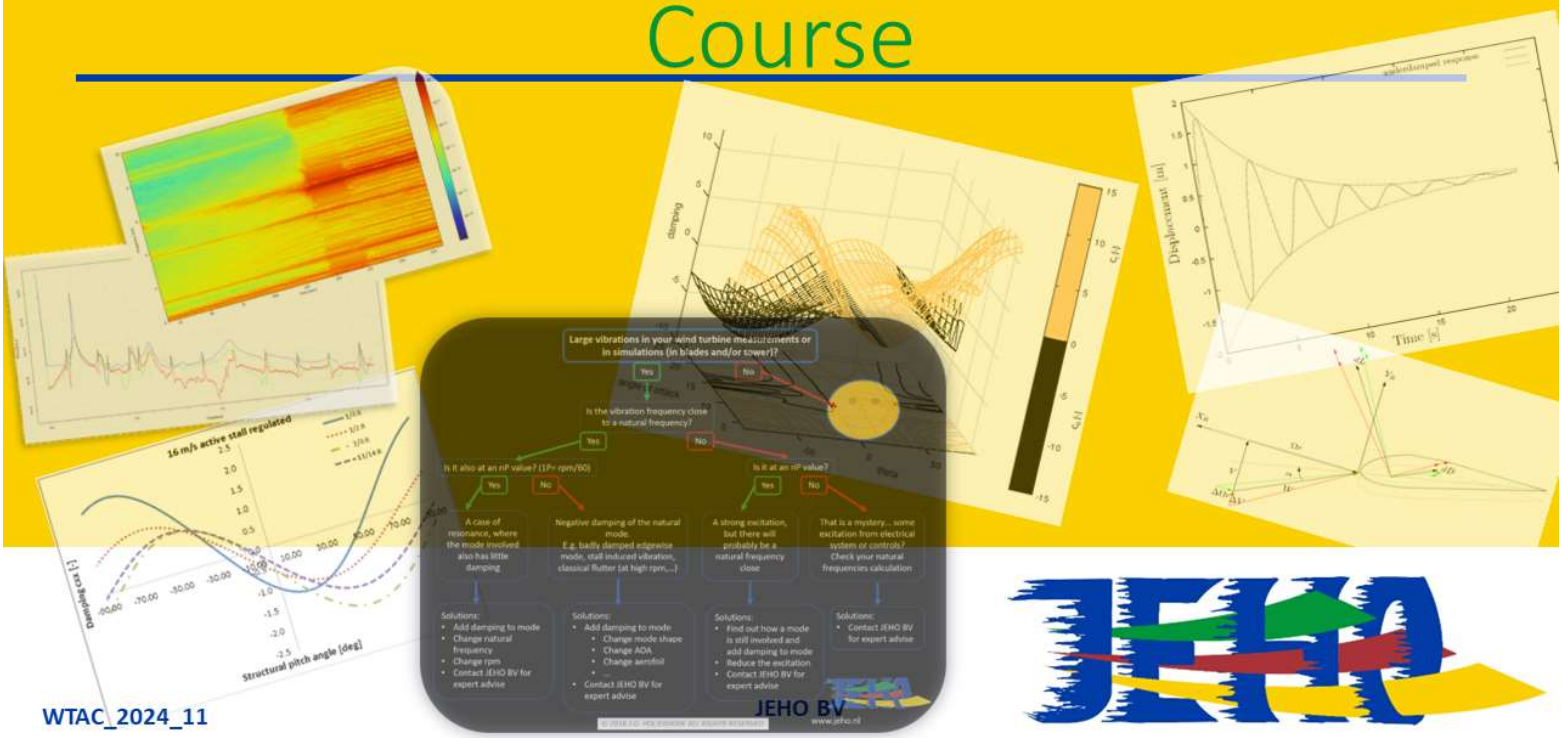
Wind turbine aeroelasticity training

Wind turbine aeroelasticity course

24 hrs of live online training discussing vibrations, resonance, instabilities and much more

Wind Turbine Aeroelasticity Course



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JEHO BV
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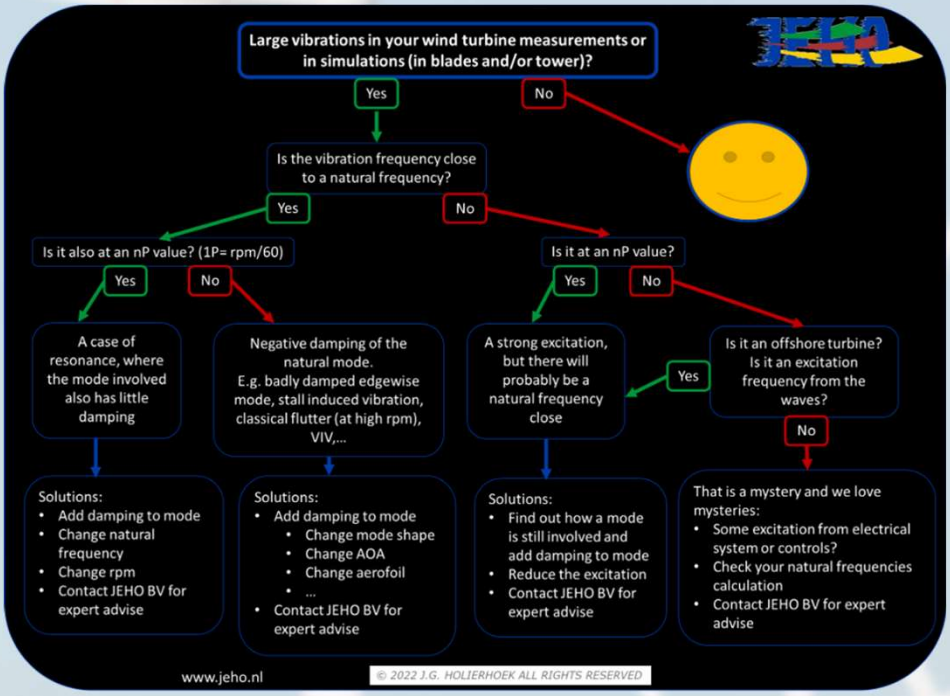
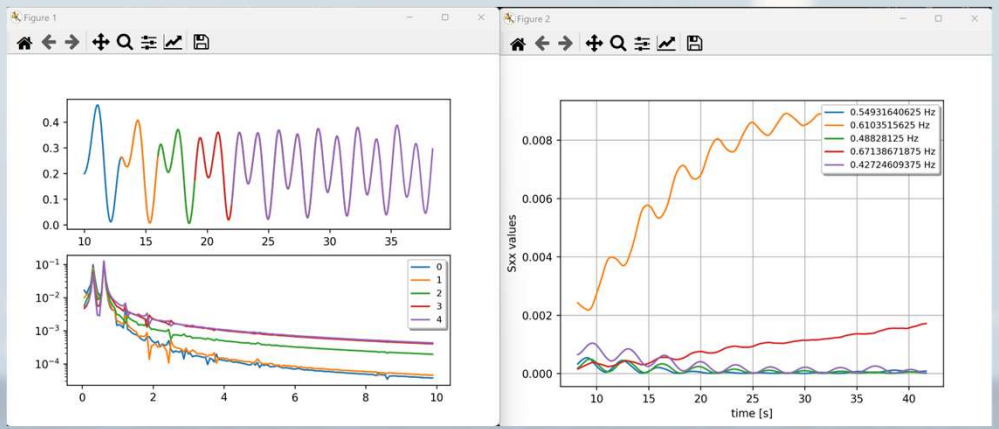
Design better blades

After the training you will be able to:

- Understand (whirling) modes on a turbine, their relevance and the reason for that strange frequency shift
- And why there are 1P, 2P, 3P,.. excitations on a wind turbine
- Recognise aeroelastic issues and know how to test and effectively change your design
- Understand limitations of current load calculations
- And much much more…

Flow diagram illustrating how to find out if vibrations are caused by instability or resonance





Learn how to plot simulation results to gain insight into (in)stability

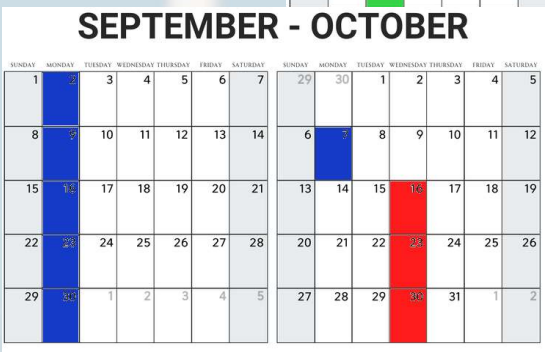
Set up of the training:

Theory with focus on understanding phenomena and many practical exercises.

Session 1	Session 2	Session 3
• BEM + • Vibrations (I)	• Vibrations (II) • Aeroelasticity • Blade modes (I)	• Blade modes (II) • Exercise: damping • Resonances
Session 4	**Session 5**	**Session 6**
• Instabilities • Return to exercise damping	• Aeroelastic analysis • Tools	• Exercise: analysis • Post-processing • Return to exercise analysis

The schedule of the planned sessions. We also provide this training to companies, at dates and times that suit the client.

April/May 2024: Tuesdays
2/9/16/23/30 April & 7 May
09:00-13:00 CEST (3-7 pm Bejing Time)



September/October 2024: Mondays
2/9/16/23/30 September & 7 October
09:00-13:00 CEST (3-7 pm Bejing Time)

October/November 2024: Wednesday
16/23/30 October & 6/13/20 November
16 & 23 October 09:00-13:00 CEST (3-7 pm Bejing Time)
30 October and later lessons 09:00 – 13:00 CET (4-8 pm Bejing Time)

If you have any questions or are interested in the course, please get in touch with us:
workshop@jeho.nl
More information on:
www.jeho.nl

Feedback:

This was a great course, I have learned so much!

Thank you very much for this very interesting course.

Thanks again for the great course! Excellent material provided and sequencing of the topics!