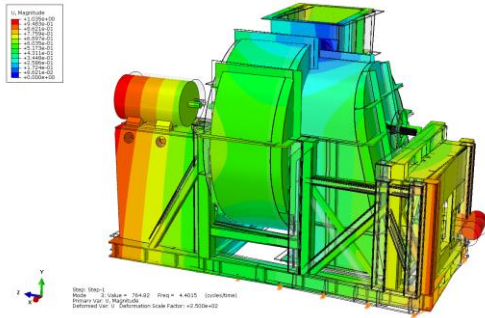


Turbomachinery Diagnostic Training In Vietnam



Practical Modal Analysis

About

Modal analysis knowledge and skill is important to machinery analyst in order to see the whole picture of machinery and associated structure vibration. Resonant vibration is one of the most common problems in the field which can result in excessive vibration amplitude and fatigue failure.

Course objectives

- To recognize resonance vibration problems
- To test and identify machine and structure natural frequency
- To be able to perform operating deflection shape analysis
- To be aware of motion amplification technology and its difference to ODS results
- To be able to perform modal analysis
- To calibrate and compare modal analysis results measurement and calculation
- To be able to recommend structure modification options when required

Contact Us

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**MACHINOSIS
COMPANY
LIMITED**

*your machinery diagnosis
partner*

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Agenda

- Introduction to modal analysis
- Operating deflection shape (ODS) analysis
- Using high-speed camera for structure vibration analysis
- Case study: ODS analysis
- Case study: piping vibration analysis
- Experimental Modal analysis
- Case study: modal analysis examples
- Analytical modal analysis
- Case study: modal analysis of vacuum pump
- Case study: modal analysis of vertical pump
- Case study: modal analysis of cooling oil pipe of transformer
- Dynamic stiffness and transfer function measurement
- More case studies



“Let’s see the whole picture of machinery and its associated structures vibration”

Course duration

3 days

Venue

Machinosis’s training center/Pattaya

Online w/ instructor led

Onsite/Private in-house

Fee

Contact training center

Our reference customers

Available upon request

Turbomachinery Diagnostic Training In Vietnam



machinOsis
your machinery diagnosis partner

Master Vibration Analyst CAT. IV

By Machinosis

On 17-21 June 2024

Amari Pattaya Hotel



Turbomachinery Diagnostic Training In Vietnam

ABOUT INSTRUCTOR (20+ YEAR EXPERIENCE)

- Roengchai Chumai (RC) – Machinery Director & Principal Engineer
 - ▣ Certified **vibration analyst Cat IV** & course instructor according to ISO Standard
 - ▣ 1999 – Machinery Diagnostics (MD) Engineer at Bently Nevada (Thailand) Ltd.
 - ▣ 2002 – Bently Nevada Corporation was taken over by GE
 - ▣ 2008 – 2015 – **Technical Leader** of Asia, Australia, New Zealand regions (including China from 2008 – 2009)
 - ▣ GE/BN **Machinery Diagnostics Engineer Level 3** (Principal Engineer)
 - ▣ GE/BN Certified MD Courses Instructor
 - ▣ GE/BN Certified Recip Solution & Decision Support Engineer/RulePak
 - ▣ **Published more than 10+ technical papers in international magazine, journal, and conference proceeding**
 - ▣ End of services at GE on **28 Feb 2015**

