Turbomachinery Diagnostic Training In Vietnam

Applied Machinery Diagnostics

About

This course is designed for students to better understand dynamic machine behaviors and characteristics through vibration data with associated process variables. They can then work on real machinery diagnostics case study to gain more experience and confidence. Machinery types and malfunctions can be selected to suite their need and process plant such as oil & gas, power generation, etc.

Course objectives

- To understand and apply machinery diagnostics methodology

- To be able to describe vibration characteristics of each machine type and unique behaviors

- To be able to identify machinery malfunction using vibration data and associated process variables

- To gain more experience on real machinery malfunctions and remedy action which might be applied to their plant

- To be able to perform field balancing if required

Contact Us

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machinOsis
your machinery diagnosis partner

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Program

Machinery diagnostics review

- Machine condition monitoring and diagnostics

- Vibration response and data plots interpretation

- Overview of machinery malfunctions

Machinery design and dynamic behaviors

- Steam turbine-generator, gas turbine, compressor, centrifugal pump, hydroturbine, induction motor, gearbox, etc.

- Unique machine behaviors and malfunctions

Example case study

- Various case study will be presented along with each machine type and configuration

Diagnostics workshop and practices

- Unbalance, misalignment, rubbing, fluid induced instability, surging/stalling, flow induced vibration, resonance, thermal sensitivity, etc.

- Machine type/malfunction can be selected for workshop

Course duration

4 days

Venue

Machinosis's training center/Pattaya

Online w/ instructor led

Onsite/Private in-house

"Don't wait to encounter all machinery malfunctions yourself, we can speed up your learning curve"

Our reference customers

Available upon request

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ABOUT INSTRUCTOR (20+ YEAR EXPERIENCE)

- Roengchai Chumai (RC) – Machinosis 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

Overhung single stage compressor
Rotordynamics Modeling & Analysis

Operating Deflected Shape Plot
Circulating Gas Compressor
Rotor Unbalance Analysis, MCS 2016 rpm