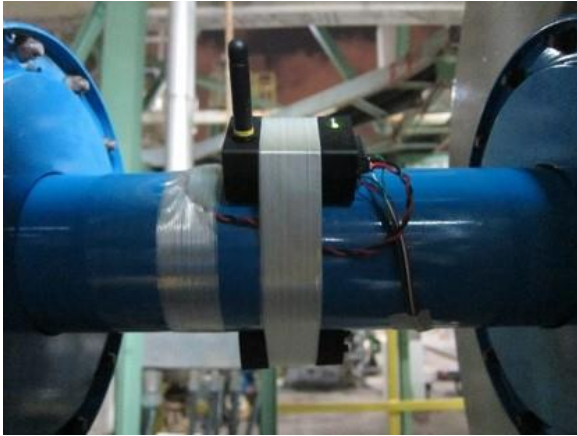


# Turbomachinery Diagnostic Training In Vietnam



## Rotating Machinery Diagnostics

### About

Rotating machinery is heart of process plants. Understanding its behaviors and malfunctions is highly importance to keep plant running efficiently and meeting availability and reliability required. This course is designed to serve the purpose in identifying machinery malfunctions and provide recommendation to fix the problem.



### Course objectives

- To understand the difference between machinery protection and management system
- To better understand machine behaviors and vibration response
- To be able to describe vibration characteristics
- To be able to identify machinery malfunction using vibration data and associated process variables
- To understand fundamental vibration response and its control
- To be able to perform field balancing if required

### Contact Us

**TIÊN PHONG COMPANY (TITEK)**

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Web: [titek.vn](http://titek.vn)



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**MACHINOSIS  
COMPANY  
LIMITED**

*your machinery diagnosis  
partner*

# Turbomachinery Diagnostic Training In Vietnam



## Agenda

- Overview of machinery condition monitoring
- Vibration transducer operation and measurements
- Data collection and digital signal processing
- Vibration phase measurement and usage
- Vibration data plots interpretation (transient and steady state)
- Rotor modelling and vibration response
- Single plane unbalance response and field balancing
- Diagnosing radial rub
- Diagnosing misalignment problem and preload identification
- Fluid induced instability and vibration response
- Shaft crack detection
- Machinery diagnostics case study



### Course duration

3 days

### Venue

Machinosis's training center/Pattaya

Online w/ instructor led

Onsite/Private in-house

### Fee

Contact our training center

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*"You can do machinery diagnostics right after the class"*

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### Our reference customers

Available upon request

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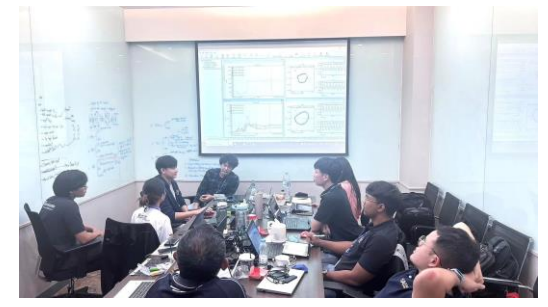
**machinOsis**  
your machinery diagnosis partner

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) – 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**

