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.

Contact Us

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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

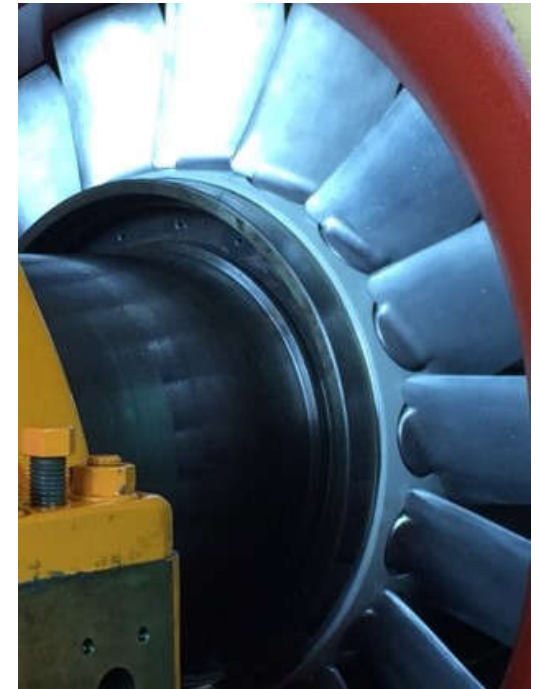- To be able to perform field balancing if required

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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
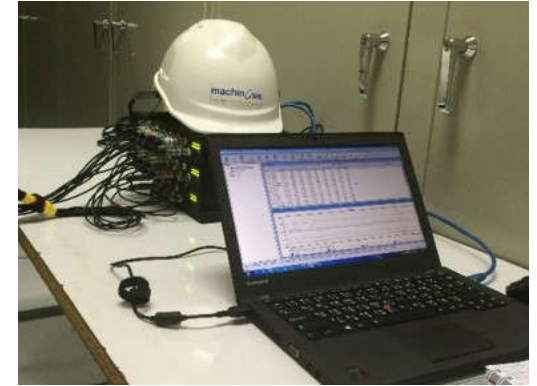
"You can do machinery diagnostics right after the class"

Our reference customers

Available upon request

Course duration

3 days

Venue

Machinosis's training center/Pattaya

Online w/ instructor led

Onsite/Private in-house

Fee

Contact our training center