ASSET PERFORMANCE MANAGEMENT

BENTLY NEVADA™ APPLIED DIAGNOSTICS WORKSHOP

This course helps new machinery diagnosticians gain knowledge and confidence. Experienced diagnosticians gain additional insight needed to efficiently solve complex machinery problems. Participants will practice their diagnostics skills on real machines and become more proficient in using System 1™ or ADRE systems.

Format

Duration: 35 hours **Schedule:** 5 Day(s) **Delivery:** Classroom

Who should attend

- Engineers and technicians who analyze and interpret vibration data
- New machinery diagnosticians who want to gain knowledge and confidence
- Experienced diagnostics people willing to gain additional insight needed to efficiently solve complex machinery problems

Objectives

- Discover the various types of machines and practical application of the malfunction detection methodology taught during the Machinery Diagnostics course
- Practice on real data from the field from different rotating machines and learn about their typical malfunctions
- Analyze actual machine case histories using System 1™ or ADRE™ databases
- Organize data in plot formats believed to be indicative of the machine fault
- Present conclusions and make recommendations

Recommended Prerequisites

Machinery Diagnostics course. We strongly recommend that all participants have taken the Bently Nevada™ Machinery diagnostics methodology course within the last 5 years. Without this prerequisite participant will not get the expected return on their investment.

Program Outline

Program:

Covered Malfunctions

- Unbalance
- Lose parts
- Preload and misalignment
- Instability
- Shaft crack

- Rub
- Thermal unbalance
- Coupling lockup
- ESD

Machinery Cases

- Steam turbines
- Gas turbines
- Motors
- Centrifugal compressors
- Generators
- Exciters
- Gear boxes
- Pumps
- Fans