BENTLY NEVADA™ ORBIT 60 MONITORING SYSTEM AND SYSTEM 1™

Format

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

Who should attend

- Orbit 60 monitoring system and System 1™ users
- Engineers involved in maintenance and troubleshooting of the Orbit 60 monitoring system
- Instrument technicians

Objectives

- Explain the role of the Orbit 60 monitoring system in machinery monitoring and protection
- Identify installation conditions affecting the correct operation of proximity transducer systems
- Test monitor alarms and verify channel values in a radial vibration monitor
- Use Orbit 60 Studio software to configure and/or reconfigure the Orbit 60 monitoring system
- Discover System 1™ and learn how to create, configure, display and manage machine database and alarms
- Use various System 1™ software tools and plots to retrieve data and detect subtle changes in asset condition
- View alarms and events in the event manager; Create reports on monitored plant assets

Recommended Prerequisites

Fundamentals of vibration measurements / ISO 18436 Cat I

Program Outline

Day 1

- Overview of Orbit 60 monitoring system
- 3300 proximity transducer system operation
- Orbit 60 hardware connections and communications
- Orbit 60 components, functions, settings, properties
- Orbit 60 Configuration and firmware updates

Day 2

- Create online configuration
- Orbit 60 protection system security
- Online configuration, Studio verification utility
- Modules & errors system utilization
- Protection groups and states

- Troubleshooting, errors management

Day 3

- Radial vibration channels setpoints and relays
- Thrust position setpoints & relays
- Map measurements, setpoints status to CGM Module
- Overview of System 1™ platform
- Configure database preferences
- Alarm types and alarm management
- Importing device into System 1™

Day 4

- Display and manage alarms and events
- Types of steady-state plots and their usages
- Trends and steady-state plots
- Machine states and state-based alarms
- Reference data and specialized alarm setpoints
- Plot sets and plot records, cases & diagnostic reports

Day 5

- Types of Transient plots and their usages
- Use of audit file for transient analysis
- Transient plots, plots overlay and compensation
- Notifications management
- Database, users, and security management