3500 operation & maintenance

Duration

3 days (21 hours)

Delivery

Classroom or remote

Audience

- 3500 monitoring system users
- Engineers involved in maintenance and troubleshooting of the 3500 monitoring system
- Instrument technicians

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Objectives

- Explain the role of the 3500 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 Bently Nevada propriety configuration software to configure and/or reconfigure the 3500 monitor system
- Troubleshoot the 3500 monitor system and associated transducers using software and hardware techniques

Program

Day 1

- Overview of 3500 monitoring system
- 3300 proximity transducer system operation
- 3500 monitor system support components
- TDI/RIM hardware connections and communications
- Power supply, TDI/RIM and keyphasor configuration

Day 2

- Radial vibration
- Thrust position
- Relays

Day 3

- 3500 system utilities
- Troubleshooting 3500 system
- 3500/92 communications gateway (Optional)

Optional: The last day focus can vary depending on audience needs

Learning path

Recommended Prerequisites

- Fundamentals of vibration measurements

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Next steps

- Monitoring courses
- Diagnostics courses

Benefits

Practice workshops with live monitors and racks