ASSET PERFORMANCE MANAGEMENT

BENTLY NEVADA™ 3500 RECIPROCATING COMPRESSORS MONITORING & PROTECTION

This 1-day course equips your instrumentation and control (I&C) personnel with the skills they need to maintain machine monitoring instrumentation on your reciprocating compressors. As a result, you will have more reliable asset monitoring and increase machine availability for optimal safe production.

Format

Duration: 7 hours **Schedule:** 1 day **Delivery:** Classroom

Who should attend

- 3500 monitoring system users
- Engineers involved in maintenance and troubleshooting of instrumentation connected to BN3500 rack(s) monitoring reciprocating compressors
- Instrument technicians

Objectives

List the basic components of an API-618 reciprocating compressor

- Explain the value of monitoring reciprocating compressors and describe a typical monitoring strategy in line with API-618 and API-670 guidelines
- Explain the importance of crank angle reference measurement in recip monitoring and diagnostics
- Configure RECIP-specific 3500 monitoring modules
- Identify rod drop and rod position measurements
- Calibrate, set up, and maintain rod drop and rod position measurements

Program Outline

Program:

Basic elements of a reciprocating compressors

- Monitoring and protection of reciprocating compressors
- Crankshaft timing
- 3500/25 configuration
- 3500/70M configuration
- Rod drop and rod position
- 3500/72M configuration

- Probe calibration workshop
- 3500/77M configuration