

MA / ODS INTRODUCTION TO MODAL ANALYSIS AND OPERATING DEFLECTION SHAPE

This course is based on demonstration and case studies. No workshops and measurements by the attendees.

Format

Duration: 21 hours **Schedule:** 3 Day(s) **Delivery:** Classroom

Who should attend

- Machinery diagnosticians
- Reliability engineers
- Condition monitoring engineers
- Engineers involved in predictive maintenance

Objectives

- Learn how to complete structural analysis: Modal and Operating Deflection Shape
- Discover how to leverage ME' scope for data analysis

Recommended Prerequisites

Machinery Diagnostics Methodology

Program Outline

Day 1:

- Modal analysis introduction
- Explanation of how to draw structural model using ME' scope

Day 2:

- Modal data collection on a free hanged rotor using SCOUT 140
- Data transfer to ME' scope, simulation and the results display
- Case study discussion of an actual Modal analysis data

Day 3:

- ODS analysis introduction
- ODS data collection on a rotor kit using SCOUT 140
- Data transfer to ME' scope, simulation and the results display
- Case study discussion of an actual Modal analysis data

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