

Condition Monitoring Awareness Course

Course Overview:

The course is a basic introduction to the concepts of Condition Based Maintenance (CBM). The candidate will gain an appreciation of a variety of Condition Monitoring technologies utilised in a typical CBM program along with an introduction to the fundamental principles of data collection techniques and an understanding of data analysis.

The course is aimed towards an introductory level to the BINDT, ISO 18436-2 Category I standard.

Learning Outcomes:

The course aims are designed to give the candidate a firm understanding of the following concepts and practices:

- Overview of Maintenance Principles and Philosophies.
- Overview of Condition Monitoring.
- Appreciation of Condition Monitoring Technologies to include:
 - Vibration Analysis
 - Oil Analysis
 - Thermography
 - Ultra-Sonics
 - Motion Amplification.
- Basic Theory of Analytical Data and Processing.
- Fault Pattern Recognition.
- Data Collection Techniques.
- Introduction to Basic Fault Patterns.

Assessment:

There is no assessment or pass criteria for this course.

Candidate:

The course is aimed at candidates who want to gain an appreciation of the concepts of Condition Monitoring technologies and the benefits of what Condition Based Maintenance (CBM) can offer to every day plant operation. There are no prerequisite entry requirements for this course, but a good understanding of a variety of industrial machines would be beneficial.

Duration:

1-day course which is classroom based with demonstrations of technologies and applications.

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