

Predictive Maintenance Overview

Purpose

The purpose of this course is to give operational management an introduction to the methodologies and technologies of Predictive Maintenance. The emphasis is from a management perspective rather than a technical perspective.

Objectives

At the completion of this course you will have seen:

- different maintenance strategies
- the difference between Predictive Maintenance and Condition Assessment
- The major condition assessment technologies
- main steps in establishing a program

Length

The course is a four hour short course. Includes workbook.

Description

The course begins with a description of the different maintenance strategies that can be applied to an individual machine or to a plant. These strategies lead to the application of condition assessment and the use of that information to drive the maintenance actions. Next the most common condition assessment technologies are described, including applicability and resource requirements. As a final wrap-up, ways to integrate the technologies together and with the rest of the maintenance program are discussed.

Content

- **Introduction To Predictive Maintenance**
- **Maintenance Strategies**
- **Fundamentals Of Predictive Maintenance**
- **Vibration Analysis**
- **Oil Analysis**
- **Infrared Imaging**
- **Motor Testing Methods**
- **Other Technologies**
- **Establishing A CBM Program**