



Maintenance Strategies

PART 2

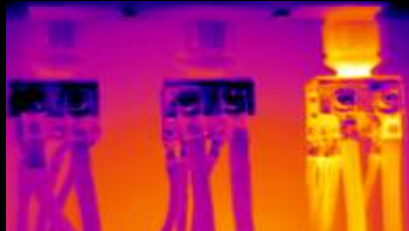
APPLICATION OF THE BEST MAINTENANCE PRACTICES



Lubrication Strategy / Tribology



Condition-Based Maintenance



Basic Maintenance Concept



Root Cause Failure Analysis

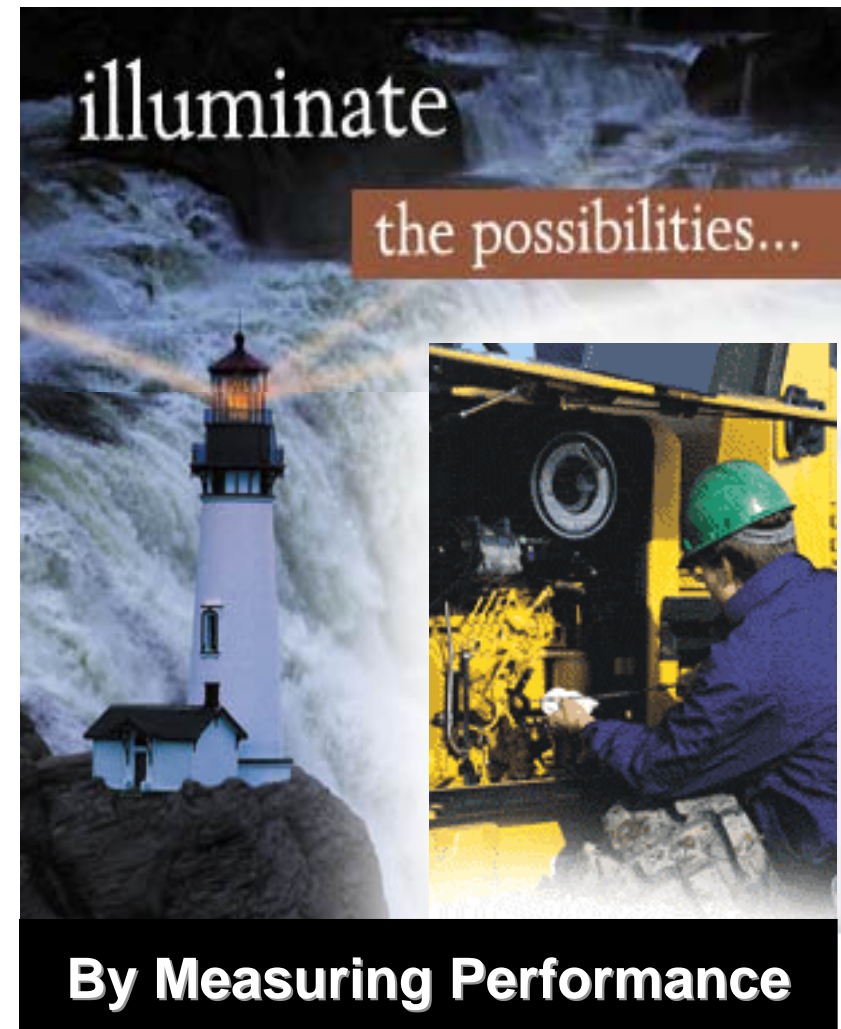


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Objective Of this Course :

- Understand the need to measure performance and the different Maintenance Key Performance Indicators
- Learn to sell performance measurement as a tool for improvement
- Use meaningful measures to support equipment's reliability
- Determine the right measures for your industry
- Learn how to use performance measures in our day to day activities





MAINTENANCE STRATEGIES- BEST OF THE BEST PRACTICES - 2

DAY 1 : UNDERSTANDING BASIC MAINTENANCE CONCEPT

- 0745 - 0815 - Coffee and Registration
 0815 - 0900 - Welcome Participants
 - Take Pre Test on BMC
 0900 - 0100 - **Module 1 : The Need To Maintain**
 - Common Maintenance Belief
 - 6 Failure Patterns
 - Limitations of Preventive Maintenance
 1000 - 1015 - **Morning Break / Meal**
 1015 - 1130 - **Module 2 : Understanding Reactive Maintenance**
 - Run To Fail
 - When Reactive Maintenance Can be justified
 - Redundancy or Standby
 1130 - 1200 - **Module 3 : Understanding Preventive Mtce**
 - Preventive Maintenance Defined
 - Limitations of Preventive Maintenance
 1200 - 1300 - **Lunch**
 1300 - 1500 - **Module 4 : Understanding Predictive Mtce**
 - PdM Defined
 - P-F Curve
 - **Module 5 : Understanding Proactive Mtce**
 1500 - 1515 - **Afternoon Break / Meal**
 1515 - 1630 - **Module 6 : Maintenance Tasks Selection Process**
 - **Basic Maintenance Concept Workshop**
 1630 - 1700 - Take BMC Post and Final Test
 1700 - End of Day 1

DAY 2 : ROOT CAUSE FAILURE ANALYSIS - GETTING TO THE ROOT OF THE PROBLEM

- 0745 - 0815 - Coffee and Registration
 0815 - 1000 - Take RCFA Pre Test
 - **Module 1 : Understanding Root Cause Failure Analysis**
 - **RCFA Defined**
 - **When to use RCFA**
 1000 - 1015 - **Morning Break / Meal**
 1015 - 12:00 - **Module 2 : Physical, Human & Latent Causes**
 - Logic Tree Diagram
 - How RCFA is done ?
 1200 - 1300 - **Lunch**
 1300 - 1430 - **Module 3 : Why People Commit Mistakes ?**
 - Understanding Human Error ?
 - Categories of Human Errors
 1430 - 1500 - **Module 4 : RCFA Case Study : RMS Titanic**
 - Why did the RMS Titanic sank ?
 1500 - 1515 - **Afternoon Break / Meal**
 1515 - 1600 - **Module 5 : Understanding why Components Fail ?**
 - Understanding different types of wear on mechanical parts
 1600 - 1650 - **Module 6 : Case Study on RCFA**
 - **Bearing Failure**
 - Take IQ Quiz on RCFA
 1650 - 1700 - Speaker's Closing Remarks
 - Issue Certificates and Closing Prayer
 1700 - End of Seminar