

# Preventive Maintenance Fundamentals

# PM Program Design, Implementation, & Optimization

## Practical Training Designed & Delivered by Real-World Practitioners



Join us for a class on both the theory and application of maintenance and reliability concepts, where we:

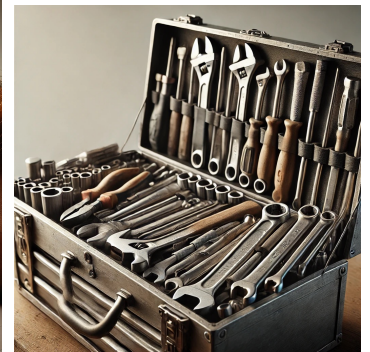
- Challenge your thinking
- Expose you to best practices
- Teach practical techniques for improving maintenance & reliability
- Show you a path to improving:
  - ✓ Process performance through increased availability
  - ✓ Lower maintenance costs

## 2-day Practitioner's Session

## Core Concepts

- *Program Design & Implementation*
- *PM Program Management*
- *Uses & Tangible Benefits from Program*
- *Program Metrics & Performance Indicators*

❖ 1-day Course for *Leaders and Sr. Managers* also available



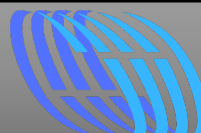
## What will you learn?

- Define the P-F Curve and its implications
- Describe the 6 RCM Curves and their impact on reliability
- List the 6 PM Activity Types
- Describe how to identify a failure mode for which PM is most applicable
- Identify common metrics for managing the PM program
- Describe the common failure mechanisms in rotating machinery
- Identify the different types of inspection tasks and when to use each
- List the elements of a rebuild/replace PM and why each are necessary
- How the PM program connects to the Work Management process
- How to assess a PM program and identify common mistakes and errors

## Who is this class for?

- Maintenance Managers
- Reliability Engineers
- Maintenance Engineers
- Operational Leaders
- Maintenance Supervisors
- Operational Supervisors
- Plant Managers
- Reliability Leaders
- Maintenance Planners
- Plant/Facility Engineers

**Email us today to begin your registration:**  
info@ebrtechnologies.com



**EBR TECHNOLOGIES**  
EVIDENCE-BASED RELIABILITY

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### Module 1

- The Role of PM in Reliability
  - Reliability Curves & Models
  - PM & PdM: What Are the Differences?
- Assessing the Current PM Program
  - PM & PdM Tasks
  - Operator & Lubrication Tasks

### Module 2

- Running PM Tasks versus Invasive PM Tasks
  - Enhanced Operator Care Tasks
  - Predictive Maintenance Tasks
- Types of Inspection Tasks
  - Quantitative Tasks
  - GO vs. No-Go & Progressive Tasks

### Module 3

- Procedural Elements of Rebuild Tasks
  - Jobs, Tasks, Steps & Instructions
  - Warning, Cautions, Resources & Standards
- Connecting PM Tasks to Work Management
  - Work Identification & Notifications
  - Priorities & Work Types

- Real World Examples
- Breakout Exercises

- Case Histories
- Group Discussions



*Plant Reliability is the foundation on which Asset Management is built. The best developed Asset Strategy will prove ineffective if your plant behaves in an unpredictable manner.*

*Unforeseen failures foster a self-reinforcing reactive maintenance culture.*



*An understanding of reliability tools & techniques will help break the reactive maintenance cycle.*



## Why Enroll Your Team in This Course?

*Build a smarter, more effective PM program—based on science, not guesswork:*

- **Differentiate PM vs. PdM** and apply each where it fits
- **Design better inspection tasks** and rebuild PMs with structure and clarity
- **Connect PM activities to work management systems** for better execution
- **Avoid common PM pitfalls** and program inefficiencies
- **Equip your team with practical tools** to drive immediate improvements

