

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:

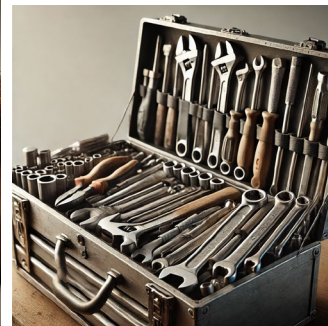
- Challenge your thinking
- Expose you to best practices
- Teach practical techniques for improving maintenance & reliability
- Show you a path to improving:
 - ✓ Process performance through increased availability
 - ✓ Lower maintenance costs

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:
lingram(at)netresultsinc(dot)com

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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.



Meet your Instructor – Andy Page, Ph.D.

- Andy is a Certified Maintenance & Reliability Professional (CMRP) with over 30+ years of Physical Asset Management & Operational Field experience in multi-technique Condition Monitoring, Maintenance Management, Process Reliability & Improvement, Defect Elimination & Facilitation of Staff Training, Development & Mentoring.
- He is recognized internationally as an expert in predictive maintenance and reliability. He has spoken at maintenance conferences in several countries, and regularly leads clients through successful implementations of maintenance and reliability improvements.

