

# ASSET MANAGEMENT FUNDAMENTALS: MAINTENANCE, RISK, & RELIABILITY

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

## 3-day Practitioner's Session

### Core Concepts

- *Asset Management Fundamentals*
- *Leader's Role in Reliability*
- *Common Mistakes & Pitfalls*
- *Uses & Tangible Benefits from Program*
- *Program Metrics & Performance Indicators*

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



## What will you learn?

- The difference between maintenance and reliability and why that difference matters.
- A deeper understanding of how to improve reliability in your facility.
- The correct organizational structure to drive improvement and success
- Understanding the human factors that influence reliability and techniques for managing them.
- Practical applications of *reliability engineering* principles and the order of implementation.
- An overview of different improvement methodologies, and the pros/cons of each.
- An introduction to *Root Cause Analysis* methods.

## 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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## Reliability: Philosophy & Vision

- Failure Mechanisms of Common Parts
- Reliability Concepts
- Curves & Distributions
- Failure Modes Analysis and FMECA
- Reliability Centered Maintenance
- Life Cycle Cost Analysis

## Basic Asset Management

- Criticality Ranking
- Preventive Maintenance
- Predictive Maintenance & Condition Monitoring
- Visual Inspections and Operator Care Rounds
- Lubrication & Contamination Control
- Work Management (Planning & Scheduling)

## Improving Asset Management

- Reliability Analytics & Loss Analysis
- Root Cause Analysis
- Precision Skills & Defect Elimination
- Metrics & Key Performance Indicators
- The Business Case for Reliability

• 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.

