

Reliability Fundamentals Overview Course

Description

The Maintenance & Reliability Overview or Asset Management Excellence (AMEx), as it is sometimes called, is designed for companies wanting to begin creating site-level resources, which can improve availability, throughput, quality, and corporate profit using the tools of maintenance and reliability management.

The goal of the two-day course is to provide reliability practice, awareness, knowledge, and additional ability. Our course is a comprehensive overview reinforced by group discussions, case studies, and practical exercises. The course is used in many facilities to till the soil and prepare the ground as organizations begin to sow the seeds of reliability. It helps to break down barriers, build understanding, and set expectations.

What you will learn

Day 1:

- Describe how Reliability & Maintainability align with strategic business objectives.
- Labor Utilization, and Availability as measures of asset management.
- Explain how to calculate Overall Equipment Effectiveness (OEE), Value-Adding vs. non-value adding Maintenance.
- Identify, organize, and assess assets and understand their failure modes.
- Practice Root Cause Analysis (RCA) techniques to resolve asset risks.
- Practice Failure Mode Effects Analysis (FMEA) to identify asset risks.

Day 2:

- Demonstrate how to evaluate preventive maintenance and Asset Management Plan effectiveness.
- Define 5 core predictive technologies and how they help reduce losses.
- Experience the value of Planning, Kitting, and then Scheduling.
- Understand the importance of Spare parts management.
- Illustrate the flow of work through the Maintenance “Backlog” and common bottlenecks.
- Perform a Reliability & Maintainability Self-Assessment.
- Define the Change Risks associated with asset management system implementation.
- Outline a model for Reliability & Maintainability improvement.

By meeting these objectives attendees gain confidence in reliability practices and methodology, can understand the maintenance vision, and assist in its implementation and continuous improvement. It is about culture change and that starts with the individual.