



421 Wando Park Blvd, Suite 120  
Mount Pleasant, SC 29464  
Eruditio.com

## **Reliability Fundamentals Overview Course**

### **DESCRIPTION:**

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

The goal of the two-day course is to provide the individual with an awareness of reliability practices and a desire to gain additional knowledge and ability. The course is a comprehensive overview reinforced by group discussions, case studies, and practical exercises. This course is used in many facilities to till the soil and prepare the ground as the organization begins to sow the seeds of reliability. It helps to break down barriers, build understanding, and desire and set expectations. The participants are expected to ask questions and challenge concepts they don't understand building buy-in and support as they learn and develop.

### **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 the 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.

Knowledge truly is power, and this course provides it to them while empowering employees to your company.