



Class Location: 40 Patriots Point Rd
Mt Pleasant SC 29464

Reliability Centered Maintenance

And FMEA 2-day workshop

DESCRIPTION

The core learning objective over the 2-day workshop is to demonstrate and apply Failure Modes and Effects Analysis (FMEA). Eruditio will facilitate hands-on, practical exercises for the following topics:

RECOMMENDED AUDIENCE

This course is recommended for Maintenance Supervisors, Maintenance and Reliability Engineers, Maintenance and Engineering Managers.

YOU WILL LEARN:

Changing Maintenance Expectations from “Reactive” to “Proactive”

- The changing expectations of Maintenance from the 1950's to Present
- Financial impact of each maintenance era using the “Maintenance Challenge” model
- “Over the Edge” case study, benchmarks & opportunity analysis

Applying the P-F Management Philosophy

- Defining the “P-F Curve”
- Maintenance strategies relative to asset Availability and the P-F Curve
- Downtime impact of Predictive, Preventive and Corrective maintenance tasks
- P-F Curve relative to Maintenance Costs as a Percentage of RAV

Applying Modern Approaches to Reliability Centered Maintenance

- Modern application of RCM core principles
- “Classical” and “Variant” approaches to RCM analysis
- Using Failure Mode Mapping as a “Derivative” approach to RCM

Describing the Relationship between Failure Probability and Risk Control Measures

- Understanding failure probability (Beta) and failure patterns of modern assets
- ISO 31000 model for making risk-based decisions
- Failure probability exercise

Practice FMEA

- Writing Function and Functional Failure statements
- Defining Failure Modes and Effects
- Evaluating Failure Mode Risks

RCM Decision Process

- Selecting maintenance tasks relative to the P-F Management philosophy



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- Level of risk (Severity, Probability or Detectability) that each type of task mitigates
- Setting task frequencies based on Failure Probability

Equipment Maintenance Plan

- Developing an Equipment Maintenance Plan (EMP)

Spare Parts Decisions for RCM

- Evaluating “ABC” classifications
- Management practices for each classification

Evaluating Preventive Maintenance Effectiveness

- Demonstrate how to use a “PM Evaluation Checklist” to classify maintenance tasks
- Perform a sample Preventive Maintenance Effectiveness evaluation
- Define the impact Preventive Maintenance Optimization on labor utilization & “Backlog”

CLASS DURATION and DATES

October 25-26, 2017 8:30 AM to 4:30 PM

COST: \$1,499 per student with coaching packages for a supported implementation are available for an additional cost

REGISTER AT: <http://eruditiollc.com/register/>