ASSET PERFORMANCE MANAGEMENT

METHODS INTRODUCTION TO RELIABILITY CENTERED MAINTENANCE

RCM101 - 1 day

This interactive, practical course addresses the integration of a range of reliability initiatives into an asset management strategy. You'll discover the tools necessary to develop, implement, and sustain best in class maintenance and reliability programs. You'll learn the foundational elements your organization needs in order to reduce reactive maintenance, downtime, and maintenance costs with proven reliability methods.

Format

Duration: 8 hours **Schedule:** 1 day **Delivery:** Classroom

Who should attend

Those who are:

- Suffering high maintenance costs and unplanned downtime
- Want immediate performance improvement and to reduce costs, but don't know where to start
- Experiencing recurring problems and/or lack of confidence in current solutions
- Continually under-performing due to current design not meeting business goals
- Consistently exceeding your maintenance budget
- Unsure of where your reliability program is currently at
- You are new to reliability engineering
- You are looking to get your team started and reliability programs ramped up

Objectives

- Taking a more detailed view and expanding on the key Reliability Methods, this course provides an alternative to the basic 1-day REL101 introduction course and instead provides a deep dive into all the main tools which the Reliability Engineer should be equipped with.
- Covering 2-days of methodology learning with interactive exercises, this course provides a strong foundation of the essential reliability and maintainability concepts and principles.
- Learn which key methods and tools to employ to achieve reliability improvement across the asset lifecycle.
- Know what the objectives are of reliability management and how the reliability discipline interacts with the rest of the organization.

Program Outline

Day 1

- The current environment
- The reactive maintenance cycle
- Benefits of a reliability based maintenance system
- Definitions of reliability and maintainability
- Introduction to the Weibull distribution
- What is Reliability Centered Maintenance?
- What are the 7 questions of RCM?
- Performing an RCM study
- Identification of failure modes
- Preventative and predictive maintenance
- Choosing the optimal package

Next Steps:

RCM201 - Maintenance Strategy Development, RBD101 - Improving Plant Availability using Reliability Block Diagrams

Lanuages

- English
- Spanish
- Chinese