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# Reliability Centered Maintenance Principles

Reliability Centered Maintenance Analysis (RCM) is a key foundational element of a Reliability Based Maintenance program. This two-day course covers all important aspects of Reliability Centered Maintenance Analysis and Implementation. Participants will learn how to effectively participate in an RCM program and have all necessary information to support such an implementation.

## COURSE OUTLINE

### 1. Introduction

- History of RCM
- Why RCM
- Selecting candidate equipment
- Team approach
- RCM philosophies

### 2. Conducting RCM Analysis

- RCM terms and definitions
- Identifying system parameters
- Answering the 7 questions of RCM
- Determining failure mitigation strategies
- Implementing the results of RCM analysis

### 3. Conducting RCM Analysis

- Facilitating RCM at your site
- Who should lead
- Choosing the appropriate analysis tools
- Tracking progress through to completion
- Avoiding the causes of failed RCM Implementations

### 4. Conducting RCM Analysis

- Leveraging the Benefits of RCM
- Lateral deployments
- The FMEA library
- Celebrating results
- Showing the business case

## OBJECTIVES

Participants will learn the critical elements of philosophy, process, organization and leadership that are critical to creating and leading a proactive maintenance program. Practical examples, tools, and reference documents will be provided to enable participants to return to their workplace and immediately apply the concepts.

## WHO SHOULD ATTEND?

Maintenance Managers, Operations Managers, Maintenance Supervisors, Senior Maintenance Craftspeople and Lead Persons, Reliability Engineers, Facilities Engineers, Maintenance Planners, TPM Leaders, and company Continuous Improvement specialists.

## PREREQUISITES

Bringing a laptop computer is highly suggested for those participants who plan on implementing RCM at their sites. Use of laptops during the course is not mandatory.

