

RELIABILITY CENTRED MAINTENANCE TRAINING

“Optimizing Maintenance Strategies for Maximum Reliability, Safety, and Cost Efficiency.”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

Reliability Centred Maintenance (RCM) is commonly used to help establish safe minimum levels of maintenance, determine changes to operating procedures and help establish maintenance regimes and plans. Successful implementation can result in cost savings, machine uptime and improved risk management. But the devil’s in the detail-how can you achieve these benefits and successfully implement RCM in your organisation? This course will help you do just that.

Objectives

- By the end of this course, participants will be able to:
- Understand the principles and methodology of Reliability Centred Maintenance (RCM).
 - Identify critical assets and analyze their functions and failure modes.
 - Develop cost-effective maintenance strategies based on reliability data.
 - Integrate RCM with existing maintenance systems such as CMMS and TPM.
 - Apply RCM techniques to improve equipment uptime and performance.
 - Use RCM to reduce operational risks and ensure compliance with safety standards.
 - Design an implementation roadmap for sustainable RCM deployment.

Why Attend

This course is essential for professionals seeking to improve maintenance efficiency, reduce downtime, and enhance reliability in engineering and industrial environments. It bridges the gap between maintenance theory and operational reality, providing actionable tools that can be immediately applied in the workplace. Participants will gain a deeper understanding of how RCM can drive business value through optimized maintenance planning and resource utilization.

Target Audience

This course is designed for:

- Maintenance and Reliability Engineers
- Maintenance Planners and Supervisors
- Engineering Managers and Plant Managers
- Operations Managers and Technical Leads
- Facilities and Asset Management Professionals
- Anyone responsible for maintenance optimization and equipment performance

Individual Benefits

- Master practical RCM tools and techniques for daily application.
- Improve analytical and decision-making skills for maintenance planning.
- Gain confidence in developing and implementing reliability-based maintenance programs.
- Enhance personal productivity and technical competence.
- Strengthen professional standing in maintenance and reliability management.

Organizational Benefits

- Reduce maintenance costs while improving equipment availability.
- Extend asset life and reduce unplanned downtime.
- Establish a culture of reliability and continuous improvement.
- Improve risk management and compliance with safety regulations.
- Achieve better alignment between maintenance, operations, and business objectives.

Instructional Methodology

The course uses a practical, interactive learning approach that combines technical understanding with hands-on exercises. Delivery methods include:

- Expert-led presentations and discussions
- Real-life case studies and industry examples
- Group workshops and problem-solving sessions
- Step-by-step RCM analysis exercises
- Templates and tools for implementing RCM in your organization

Course Outline

Module 1: Introduction to Reliability Centred Maintenance – Concepts and Origins

Module 2: The RCM Process and its Key Steps

Module 3: Asset Identification and Functional Analysis

Module 4: Failure Modes, Effects, and Criticality Analysis (FMECA)

Module 5: Selecting the Right Maintenance Tasks – Predictive, Preventive, or Corrective

Module 6: Integrating RCM with CMMS and Other Maintenance Systems

Module 7: Risk Management and Safety in RCM

Module 8: Measuring Performance and Continuous Improvement

Module 9: Case Studies and RCM Implementation Roadmap

Certification

Upon successful completion, participants will receive a Certificate of Completion in Reliability Centred Maintenance (RCM), recognizing their ability to apply reliability-based maintenance practices to improve performance, safety, and cost-effectiveness in their organization.

Why Choose MAWA Events

• **Global Expertise:** More than 17 years of experience in professional training and consulting.

• **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.

• **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.

• **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: +601116373203	EMAIL: info@mawaevents.net
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