Mastering Reliability Centred Maintenance: A 1-Week Course

31 October – 4 November 2027
Dubai (UAE)



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Ref: 322863_216968 **Date:** 31 October – 4 November 2027 **Location:** Dubai (UAE) **Fees:** 4200 GBP

Course Description

This comprehensive 1-week course provides in-depth training on Reliability Centred Maintenance RCM principles and practices. Participants will learn to implement RCM methodologies to optimize asset performance, reduce maintenance costs, and improve overall operational efficiency. The course covers RCM fundamentals, failure mode analysis, maintenance strategy development, and practical implementation techniques.

Learning Objectives

- Understand RCM principles and their impact on asset management
- Develop skills in failure mode and effects analysis FMEA
- Learn to create effective maintenance strategies using RCM methodologies
- Gain practical knowledge in implementing RCM programs
- Understand how to measure and improve RCM effectiveness

Course Modules

Day 1: Introduction to RCM

- RCM fundamentals and history
- Benefits and challenges of RCM implementation
- RCM process overview
- Asset criticality assessment

Day 2: Failure Mode Analysis

- Failure modes and effects analysis FMEA
- Functional failure analysis
- Root cause analysis techniques
- Criticality ranking methods

Day 3: Maintenance Strategy Development

- Preventive maintenance optimization
- Condition-based maintenance strategies
- Predictive maintenance techniques
- Run-to-failure strategies



Day 4: RCM Implementation

- RCM program planning and management
- Data collection and analysis
- RCM software tools and applications
- Change management in RCM implementation

Day 5: Measuring RCM Effectiveness

- Key performance indicators for RCM
- Continuous improvement in RCM programs
- Case studies and best practices
- Action planning for RCM implementation

Practical Wins for Participants

- Ability to conduct comprehensive FMEA for critical assets
- Skills to develop optimized maintenance strategies
- Knowledge to implement and manage RCM programs
- Techniques to measure and improve RCM effectiveness

