

TRAINING TITLE

CCC CONTROL SERIES 4: MAINTENANCE AND IMPLEMENTATION

Training Duration

5 days

Training Venue and Dates

Ref. No. RM095	CCC Control Series 4: Maintenance and Implementation	5	13-17 Jan. 2025	\$5,500	Dubai, UAE
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In any of the 4 or 5-star hotels. The exact venue will be informed later.

Training Fees

- \$5,500 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

Training Certificate

Define Management Consultants Certificate of course completion will be issued to all attendees.

TRAINING DESCRIPTION

The **CCC Control Series 4: Maintenance and Implementation** course is designed to provide professionals with advanced knowledge and practical skills in maintaining and implementing CCC Control Series 4 systems. This course focuses on equipping participants with the necessary tools and techniques to ensure optimal performance, reliability, and longevity of the control systems in various industrial applications.

COURSE OBJECTIVES

To have a working knowledge of Maintenance Scheduling techniques and identifying predictive maintenance areas through computer and simulation modelling. This course will also give hands on training for development of Computerized Mechanical Maintenance Systems.

WHO SHOULD ATTEND

The course will be of major use for those professionals involved in areas related to various inspections, maintenance, engineering for reliability, production and design related engineers

TRAINING METHODOLOGY

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will

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start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

COURSE PROGRAM

OUTLINE

Day 1:

Basics of Mechanical Maintenance.

- Concepts
- ROI on Process, Technology and Competency improvement.
- Condition based predictive maintenance.
- Mechanical Maintenance Strategies.
- Creation of Optimized Mechanical Maintenance Plan.
- Reliability centered Mechanical Maintenance RCM
- Review of equipment maintenance
- FMECA and concepts.
- Plants life cycle costing & management.
- Mechanical Maintenance auditing.
- Mechanical Maintenance planning – Management & Software.

Day 2:

Selecting CMMS system.

- Need for Asset Enterprise
- Computerized Mechanical Maintenance Management.
- Break-up of CMMS.

Component

- Scheduling System.
- Reporting System.

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Day 3:

Computerized Analysis Systems:

- Computer Models for Strength and Durability
- Stress management and real time Kinematic and dynamic analysis for maintenance prediction.
- Focusing on critical areas of system through CAD/CAE Techniques
- Predictive maintenance through simulation modeling

Day 4:

Scheduling Systems:

- Equipment categorization and maintenance plan.
- Equipment / Asset identification.
- Maintenance history retrieval systems and logging.
- Inventory status for Mechanical Maintenance systems and determination of minimum inventory level.
- Accumulated cost for Mechanical Maintenance history.
- Vendor reporting system.
- Engineering data and related drawings management for CMMS.
- Mechanical Maintenance schedule systems by predictive date plan.

Day 5:

Reporting System for Mechanical Maintenance.

- Weekly, Monthly, Quarterly and yearly schedule.
- Special format reports as per management requirement.
- Log details and modification consideration.

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NOTE:

Pre-& Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day reviews, and assessments will be carried out.

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