



PROFESSIONAL LEADER

Global Maintenance Management -CMRP

PROGRAM

2025

PROGRAM MANUAL

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METHAQ^M

Effective & Effecient Maintenance

About Us

We Improve Maintenance

in industrial, construction , service organization.

By providing consultation and technical training for engineers and technicians.





EXPERTISE AND INDUSTRY KNOWLEDGE

Experienced mechanical engineer and maintenance manager with 10+ years of expertise. With over 15 years of experience across 4 industries, I'm passionate about training and have educated 5000+ professionals globally in maintenance management, mechanical engineering, and pneumatic systems since 2017. Founder of METHAQ for Maintenance Consultation, dedicated to optimizing policies and reducing equipment failure costs.



CONTINUOUS IMPROVEMENT CULTURE

METHAQ promotes a culture of continuous improvement within the maintenance department.

We help organizations establish processes for capturing employee feedback, implementing best practices, and fostering innovation.

By encouraging a mindset of continuous improvement, we support organizations in driving efficiency, effectiveness, and innovation within their maintenance practices.



OUR SERVICES:

We improve Maintenance.

We provide a one-stop service for you.

Reducing difficulty and saving your time is our goal.



METHAQ[®]

Effective & Efficient Maintenance

CONSULTATION

1. Corrective Maintenance
2. Proactive Maintenance
3. Reverse Engineering projects
4. Power Saving projects



TRAINING

1. Global Maintenance Management - CMRP program
2. SAP PM Module Configuration and Application
3. Mechanical Maintenance Essentials
4. Conflict Management
5. Pneumatic Systems
6. Hydraulic Systems
7. Bearing
8. TPM
9. RCM
10. RCFA
11. RAMS

SPARE PARTS

How to order and supply it for you in the following:-

1. Mechanical
2. Pneumatic
3. Hydraulic
4. Tools
5. Maintenance Solutions

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CONTACT WITH US:
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Our content is
divided into 15 chapters.
Each part will be described.

01

Maintenance & Asset Management

1. Business and management Strategy
2. Introduction to Asset Management
3. 10 Rights for Asset Management
4. Asset Life Cycle Phases
5. The complete Definition of Maintenance
6. D-I-P-F Curve
7. Failure Terminology
8. Maintenance Strategies and philosophies
9. Maintenance Leader Features
10. System breakdown structure
11. Corrective Actions & Preventive Actions
12. Wrench Time
13. Managing (Terms & Tools)

02

Corrective Maintenance Policy

1. Implementation Steps
2. Procedure
3. Process Map
4. CM W/O
5. Skill Inventory
6. Failure code
7. Maintenance Record
8. Pivot table
9. Dynamic dashboard using power Bi

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Root Cause Failure Analysis

1. Implentation Steps
2. Criticality Analysis
3. Pareto Principle
4. Pareto using Excel
5. Pareto using Minitab
6. Statical process control
7. SPC using Minitab
8. Why-Why
9. Cause and Effect
10. Fault Tree analysis
11. Case Studies
12. Maintenance Management Workflow
13. Ranking Index for maintenance Expenditures RIME

04

Preventive Maintenance Policy

1. Change Management
2. Terms and Definition
3. Time Based
4. Meter Based
5. PM W/O
6. CLIT Maps
7. Asset ID
8. Failure Finding
9. Quality Assurance for Maintenance Activities
10. Lubrication Fundamentals

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Maintenance Planning and Scheduling

1. Maintenance Planning Overview
2. Work Management Process
3. Work Identification
4. Planning Principles
5. Scheduling Principles
6. Planner Roles
7. Scheduler Roles
8. Maintenance Cost
9. Cost Benefit Analysis
10. Maintenance Structure
11. Spare Parts Level Control
Management
12. Roles and Responsibilities
13. Target Plan and cost Profile
14. Gantt Chart using Microsoft Project

06

RAMS, OEE & TEEP

1. Definitions
2. Leading and Lagging KPI's
3. Availability (inherent,
achievable and operation)
4. Utilization
5. Overall equipment
effectiveness OEE
6. Six Big Losses
7. Single Minute Exchange Die
SMED
8. Total Effective Equipment
Performance TEEP
9. Objective To Tactics

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Reliability Prediction

1. Reliability Terminology
2. Mean Life
3. Mean time between failure
4. Mean life to failure
5. Mean time to repair
6. Mean time to acknowledge
7. Mean Maintenance time
8. Mean time between maintenance
9. Mean down time
10. Current Equipment Reliability Expectations
11. New Equipment Reliability Expectations
12. Weibull analysis
13. Mortality Density
14. Hazard Rate
15. Mathematical Model using Minitab
16. Case Study

08

Condition Based Maintenance

1. Definitions
2. Implementation Steps
3. Fault detection chart
4. Vibration analysis
5. Oil Analysis
6. Temperature analysis
7. Chain Elongation
8. Case Studies

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Reliability Centered Maintenance RCM

1. Definition
2. Management System
3. Criticality Analysis
4. RCM Team
5. Implementation Steps
6. System breakdown structure
7. System flow diagram
8. Functional block diagram
9. Equipment list
10. Failure mode effect analysis FMEA
11. Failure mode Effect and criticality analysis FMECA
12. Decision Loic

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Total Productive Maintenance TPM

1. Historical Background
2. Lean Manufacturing system
3. 7 waste +1
4. Six Sigma
5. PDCA & DMAIC
6. Kaizen Process
7. Autonomous maintenance
Implementation steps
8. One point Lesson
9. Abnormality tag matrix

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Business and Management Pillar.1

1. Overview of maintenance and reliability concepts
2. Importance of maintenance and reliability in asset management
3. CMRP certification overview and benefits
4. Strategic maintenance management
5. Maintenance and reliability metrics and KPIs
6. Financial principles in maintenance and reliability
7. Risk management and business impact analysis
8. Exams

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Manufacturing Process Reliability Pillar.2

- 1.Process reliability principles
- 2.Reliability- centered maintenance (RCM)
- 3.Total productive maintenance (TPM)
- 4.Failure modes and effects analysis (FMEA)
- 5.Exams

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Equipment Reliability Pillar. 3

1. Preventive and predictive maintenance strategies
2. Condition monitoring techniques
3. Root cause analysis (RCA)
4. Reliability engineering tools and techniques
5. Exams

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Organization and leadership Pillar .4

- 1.Maintenance organization structure
- 2.Leadership and team management
- 3.Communication and collaboration in maintenance teams
- 4.Change management in maintenance and reliability
- 5.Exams

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Work Management Pillar. 5

1. Work identification and planning
2. Work scheduling and execution
3. Maintenance workflow and process optimization
4. Computerized Maintenance Management Systems (CMMS)
5. Exams

CMRP Exam Preparation

1. Review of key concepts and principles
2. Sample questions and practice exams
3. Test-taking strategies and tips
4. Q&A sessions for clarifying doubts
5. Simulation Exam

Schedule Proposal

1.100 Training Hrs.

2.25 interactive Sessions Online by zoom or Offline in
METHAQ Company

3.Windows Application for Session Review

4.Mobile Application Android and IOS

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THANK YOU

FOR WATCHING