



METHAQ

Effective & Efficient Maintenance

PROFESSIONAL LEADER

GLOBAL MAINTENANCE MANAGEMENT - CMRP

PROGRAM

PROGRAM MANUAL

2024



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Our content is divided into 16 parts. Each part will be described.

01

Maintenance Management

1. Maintenance Leader Features
2. Maintenance Definitions
3. Management Definitions
4. Road map of maintenance policies
5. Maintenance Actions (correction, Corrective and Preventive)
6. Maintenance Time (Administration, logistic and wrench time)
7. Case Studies

02

Corrective Maintenance Policy

1. Equipment List
2. Equipment coding procedure
3. Maintenance Procedure
4. CM work order
5. History Log
6. Skill matrix

03

Root Cause failure analysis

1. Collecting Data
2. Understanding Data using Minitab
3. Failure analysis using problem solving tolls (why-why, Fishbone diagram and FTA)
4. Troubleshooting matrix
5. Root cause work order
6. Working instructions
7. Maintenance Management work flow
8. Case Studies

04

Preventive maintenance Policy

1. Maintenance Program
2. CLIT maps
3. Maintenance Quality
4. Bearing Lubrication (quantity & Frequency)

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05

Maintenance Planning and scheduling

1. Planning & scheduling
2. Network diagram
3. Critical path
4. Cost Profile
5. RACI Matrix
6. Maintenance Budget
7. Net Present Value
8. Return on investment
9. Maintenance Cost
10. Spare parts level control management

06

TPM

1. Lean Vs Fordism
2. Lean Vs 6 sigma
3. 7 waste +1
4. 5s+1
5. Autonomous maintenance Steps
6. kaizen steps

07

Condition Based Maintenance Policy

1. P-F curve
2. Failure patterns
3. Vibration Analysis
4. Oil Analysis
5. Temperature Analysis
6. Chain elongation analysis

08

1. Key performance indicators

1. RAMS
2. MTBF, MTTR, MTBMA & MMT
3. Corrective maintenance cost
4. Preventive maintenance hours
5. Condition based maintenance hours
6. Maintenance Shutdown cost
7. Planned Work
8. Actual cost to planning estimate

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09 | Overall Equipment Effectiveness

1. Relation between financial and technical KPIS
2. Six big losses
3. SMED
4. Availability, Performance rate and quality formulas
5. Case Studies

10 | Reliability Prediction

1. Reliability Definition
2. Reliability formula
3. Failure patterns
4. Reliability prediction
5. Weibull analysis
6. Case studies

11 | Risk Based Maintenance Policy

- 1.1. Criticality analysis
2. Structure diagram
3. System flow diagram
4. Functional block diagram
5. Equipment list
6. Policy Steps
7. FMEA & FMECA

12 | CMRP BOOK

1. Business management
2. Manufacturing Process Reliability
3. Equipment Reliability
4. Organization and Leadership
5. Work Management
6. Simulation Exam

ABOUT US

We Improve
Maintenance



METHAQ

Effective & Effecient 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 9+ years of expertise. With over 14 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.



TIMELINE

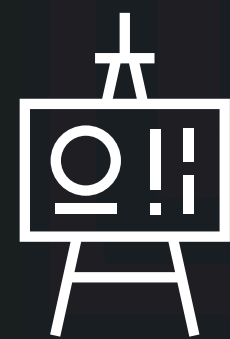
Global Maintenance Management - CMRP Program

Our approach to be qualified and certified maintenance and reliability professional



Global Maintenance Management

Through 12 Lectures, you will be able to establish or improve and maintenance policy in effective and efficient way



CMRP BOOK

Through 4 Lecture, you will be prepared to pass the exam

On going Support

our mission is to elevate maintenance standards across industrial, service, and construction sectors through our expertise in maintenance management.



Following up

You have the right to request up to four free lectures to re-explain any subject or answer your questions.



CMRP exam

We will review your answers for the simulation exam, and this will enable you to pass the actual exam.

OUR SERVICE

We provide a one-stop service for you. Reducing difficulty and saving your time is our goal.

Consultation

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

Training

1. Global Maintenance Management
2. CMRP
3. TPM
4. RCM
5. RCFA
6. RAMS
7. Mechanical Maintenance Essentials
8. Pneumatic Systems
9. Hydraulic Systems
10. Bearing

Spare Parts

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

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



METHAQ[®]

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THANK YOU

FOR WATCHING