

Global Maintenance Management

Technical Proposal Scope

training course addresses the needs of a diverse audience
with an interest in All activities involved

in keeping a system in working order, including:

- Operation Engineers who have oversight responsibility for Plant operations
- Maintenance Engineers with direct line responsibility as well as staff support responsibility for delivering on effective Plant Maintenance
- Plant Start-up and Commissioning Managers and Engineers
- Technical personnel & supervisors involved in supporting Plant Start-up, Maintenance, and shutdown

Terms To Understand

1. Maintenance Leader Features
2. Maintenance Definitions
3. Management Definitions
4. Road map of maintenance policies
5. Breakdown maintenance
6. Corrective maintenance
7. Time Based Maintenance Policy
 1. Maintenance Program
 2. CLIT maps
 3. Maintenance Quality
 4. Bearing Lubrication (quantity & Frequency)
 5. Bearing Failures
8. Condition Based Maintenance



Global Maintenance Management

1. P-F curve
2. Failure patterns
3. Vibration Analysis
4. Oil Analysis
5. Temperature Analysis
6. Chain elongation analysis
9. Maintenance Planning
 1. Planning & scheduling
 2. Network diagram
 3. Critical path
 4. Cost Profile
 5. RACI Matrix
10. Maintenance Budget
 1. Net Present Value
 2. Return on investment
 3. Maintenance Cost
11. Manage resources and material
 1. Control material inventory
 2. Manage spares and equipment
 3. Establish MRO Procurement process
12. 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
13. Reliability Centered Maintenance
 1. Criticality Analysis
 2. FMEA & FMECA
 3. Failure Prioritization
 4. Maintenance Task Analysis
 5. Steps of implementation
14. Business management



Global Maintenance Management

15. Manufacturing Process Reliability
16. Equipment Reliability
17. Organization and Leadership
18. Work Management

Technical Proposal

Outline

- Maintenance Management
- Preventive Maintenance
- Predictive Maintenance
- Maintenance Policies
- Planned Maintenance
- Maintenance Forms / Reports
- RAMS (Reliability-Availability-Maintainability-Safety)
- Maintenance Control (KPIs)
- Shutdown Planning
- Reliability Centered Maintenance (RCM)
- Criticality Analysis (Risk-Based)
- Failure Analysis
- Case Studies
- 5 Pillars of CMRP

Financial Proposal

- Total number of course days are 12 days --6 Hours / Day
- Total course hours are 64 hours
- The course includes 30 minutes break each session

