



Consulting and Training | Reach New Heights

Course Name

Best Practices Maintenance Plan for Electrical Equipment

Sector Name

Maintenance & Reliability Management

Document Type

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Best Practices Maintenance Plan for Electrical Equipment

Course Introduction

Electrical Preventive Maintenance (EPM) program in place?

Electrical Power has become the lifeblood of our everyday needs. In a manufacturing environment where today's "lean manufacturing" and "just in time" delivery philosophies are making Reliability and Plant uptime more Critical than ever before, dependable Electrical Distribution is not an Option – it is Critical to Corporate Fiscal Health. What would be the impact on your company if a major component in your facility's Electrical System experienced a Catastrophic Failure? What would happen to your Plant's Production Line, Data Center, or Distribution Center? Would the lost opportunity revenue, added to the repair or replacement costs for critical equipment, be more or less than the dollars saved by not having a proactive Electrical Preventive Maintenance (EPM) program in place? Maintenance Planning and Scheduling of work orders is the hub of a well-functioning Maintenance Organization.

Work Order History and Standard Job Plans

In order for maintenance planning and scheduling to work, many other systems need to work well. Most importantly, equipment inspections through Preventive Maintenance, a Technical Database such as Bill of Materials, Work Order History, and Standard Job Plans.

Maintenance Spare Part Stores have to function well; thus, Maintenance Planning and Scheduling are critical for every successful individual and company.

The focus is directed on concepts of Maintenance Management, establishing a healthy Maintenance program, and Maintenance Planning and Scheduling procedures. Computer applications on maintenance planning and scheduling will be addressed, too. Emphasis on various aspects of analytical techniques that have proved valuable in Maintenance Planning and Scheduling.

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Target Audience

- ✓ Facilities Engineer
- ✓ Facilities Engineering Manager
- ✓ Facilities Manager
- ✓ Facilities Specialist / Coordinator
- ✓ Health and Safety Engineer
- ✓ Maintenance Group Leader
- ✓ Maintenance Helper / Assistant
- ✓ Maintenance Manager
- ✓ Maintenance Superintendent
- ✓ Maintenance Supervisor
- ✓ Mechanical Reliability Engineer
- ✓ Network Reliability Engineer
- ✓ Operations and Maintenance Specialist
- ✓ Reliability Engineer

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Learning Objectives

- ✓ Lead their Organization and Management into Predictive and Productive Management of Electrical Equipment
- ✓ Identify planning Best Practices and key Elements for taking action on them.
- ✓ Improve the use of Information and Communication Tools.
- ✓ Create and preserve lead Time in work management and use it for planning and scheduling resources.
- ✓ Have improved ability to influence people (Engineers, Electricians) to perform their Effective Maintenance Plan.
- ✓ Improve Consistency and Reliability of Asset Information Management.
- ✓ Optimize Preventive and Predictive Maintenance Strategies.

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Course Outline

✓ **01 DAY ONE**

Module (01) Maintenance Hierarchy

- ✓ Specific Maintenance Definition
- ✓ Maintenance Goals/ Objectives
- ✓ Reactive Maintenance (RM)
- ✓ Predictive Maintenance (PdM)
- ✓ Preventative Maintenance (PM)
- ✓ Total Productive Maintenance (TPM)
- ✓ Reliability-Centered Maintenance (RCM)
- ✓ Overall Equipment Effectiveness (OEE)
- ✓ Principles of Maintenance Management

Module (02) Maintenance Performance Strategies

- ✓ Working Environment
- ✓ Operations Support
- ✓ Maintenance Personnel Attributes
- ✓ Maintenance Programs
- ✓ Information and Knowledge
- ✓ Effective Planning & Scheduling
- ✓ The Role & Duties of Planner & Scheduler
- ✓ Management Information System
- ✓ Case Studies on Electrical Equipment Applications

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Course Outline

✓ 02 DAY TWO

Module (03) Maintenance Planning

- ✓ Why do we have a Maintenance Plan?
- ✓ Maintenance Process
- ✓ Expected Outcomes
- ✓ Maintenance Budget
- ✓ Levels of Planning
- ✓ Effective Planned Maintenance
- ✓ How to implement a good Maintenance Plan (Manpower, Spare Parts, Tools)
- ✓ Plan Evaluation & Feedback
- ✓ Maintenance Planning Model (Best Practices)

Module (04) Maintenance Workload

- ✓ Maintenance Workload
- ✓ Backlog Management
- ✓ Backlog Analysis & Feedback
- ✓ Daily / Weekly Backlog Report

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Course Outline

✓ **03 DAY THREE**

Module (05) Scheduling Techniques

- ✓ Scheduling Techniques
- ✓ Scheduling Procedures
- ✓ Daily Scheduling (Stick to your Schedule)
- ✓ Weekly Scheduling
- ✓ Establishing Priority
- ✓ Look-Ahead” Scheduling
- ✓ Maintenance Scheduling Checklist

Module (06) Role in Cost Reduction

- ✓ Cost Reduction Job
- ✓ Control Absenteeism during Plan Tardiness
- ✓ Controlling and Analyzing Working Overtime
- ✓ Importance of Maintenance Work Quality
- ✓ Cutting the Cost of Maintenance
- ✓ Importance and Criticality of Housekeeping
- ✓ Cost Reduction & Optimization Model



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Course Outline

✓ **04 DAY FOUR**

Module (07) Maintenance Plan for Switchgears

- ✓ Operation of Switchgears
- ✓ Testing and Inspection
- ✓ Mechanical Inspection for CBs
- ✓ Switchgear Maintenance Activities

Module (08) Transformer Maintenance

- ✓ Testing and Inspection
- ✓ Condition Monitoring
- ✓ Case Studies & Workshop Discussion

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✓ **05 DAY FIVE**

Module (09) Electrical Motors

- ✓ Observation during Operation
- ✓ Maintenance Activities
- ✓ Planning for Overhauling
- ✓ Testing and Inspection

Module (10) Electrical Equipment Life Management

- ✓ Operational Activities
- ✓ Condition Monitoring
- ✓ Effective Maintenance Plan
- ✓ Tools and Systems
- ✓ 10 Rules for the Improvement of Life Span

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 28, 2027	July 2, 2027	5 days	5950.00 \$	USA , Texas
Sept. 7, 2026	Sept. 11, 2026	5 days	4250.00 \$	UAE , Dubai
Dec. 21, 2026	Dec. 25, 2026	5 days	4250.00 \$	UAE , Dubai
Jan. 11, 2027	Jan. 15, 2027	5 days	4250.00 \$	UAE , Abu Dhabi

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