STRATEGIC FACILITIES OPERATIONS & MAINTENANCE MANAGEMENT COURSE

Introduction

This Course focuses specifically on the strategic management of facility operations and maintenance. It equips participants with practical systems for ensuring that buildings, equipment, infrastructure and support services operate reliably, safely and cost-effectively. The programme moves beyond reactive maintenance by introducing structured preventive maintenance, predictive approaches, work-order management, maintenance planning, service-level management and operational performance measurement. Participants will learn how to build maintenance programmes that minimize downtime, extend asset life and improve facility reliability.

Course Objectives

- Develop strategic facilities operations plans.
- Establish effective maintenance systems.
- Reduce unplanned equipment failures.
- Implement preventive and predictive maintenance.
- Manage maintenance teams effectively.
- Develop maintenance schedules.
- Control maintenance costs.
- Improve equipment reliability.
- Manage maintenance contractors.
- Measure operational and maintenance performance

Course Modules

> Module 1: Strategic Facility Operations

- Facility operations principles
- Operational planning

- Service delivery
- Operational controls

> Module 2: Maintenance Management Frameworks
- Maintenance strategies
- Preventive maintenance
- Corrective maintenance
- Predictive maintenance

> Module 3: Maintenance Planning and Scheduling
- Maintenance planning
- Work-order systems
- Maintenance schedules
- Resource allocation

> Module 4: Building Systems Operations
- HVAC systems
- Electrical systems
- Plumbing systems
- Building control systems

> Module 5: Equipment Reliability
- Equipment failure
- Reliability principles
- Root-cause analysis
- Reliability improvement

> Module 6: Maintenance Workforce Management
- Maintenance team structures
- Technician productivity
- Skills management
- Performance management

> Module 7: Maintenance Contractors
- Contractor selection
- Maintenance contracts
- Service-level agreements
- Contractor monitoring

> Module 8: Maintenance Costs and Budgets
- Maintenance budgeting
- Cost analysis
- Spare-parts management
- Cost-control techniques

> Module 9: Maintenance Safety
- Maintenance hazards
- Permit-to-work systems
- Lockout/tagout principles
- Safe maintenance practices

> Module 10: Maintenance Performance
- Maintenance KPIs
- Equipment availability
- Downtime analysis
- Continuous improvement

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