

This course can be adapted to virtual classroom mode

Routine Maintenance Optimization

5 days
Overview

RMO-EN-A

LEVEL

Skilled

PURPOSE

This course provides in-depth knowledge related to the organization, monitoring and optimization of routine maintenance.

LEARNING OBJECTIVES

Upon completion of the course, participants will be able to:
perform detailed preparation work,
identify the various roles and responsibilities involved,
control all aspects of routine maintenance.

WAYS AND MEANS

Sharing of participants' best practices.
Many practical exercises.
Applications and case studies dealing with routine maintenance optimization.

LEARNING ASSESSMENT

Quiz.

PREREQUISITES

Provide evidence of a professional experience of at least 1 month, related to the concerned field.

Agenda

ROUTINE MAINTENANCE & MAIN OBJECTIVES

2 d

Types of maintenance: preventive, corrective, condition based, predictive.
Optimized maintenance policy requirement: budget, technical and safety goals.
Maintenance costs optimization: failure global costs, inefficiency costs.
Equipment reliability management: criticality assessment, performance monitoring and control, reliability indicators (MTBF, MTTR, etc.).
From notification to work completion: request, notification, emergency, preparation, planning, material, job safety analysis.
Cost estimate and control. Work acceptance criteria.
Team responsibility: maintenance, operation, safety.
Applications and exercises.
Work planning: tasks sequencing, procedures and work scheduling.
Resources optimization.
How to supervise and control works on site.

CONTRACTING

1 d

Purpose, efficiency conditions. How to select, supervise and control contractors.

Work specifications: main chapters. Different types of contracts. Bidding.

Safety and quality management. Contractor selection, audits, partnerships. Key performance indicators.

Upgrading plans.

From failure management to equipment management: maintenance improvements.

ON-SITE WORKS SUPERVISION, QUALITY & SCHEDULE MANAGEMENT

2 d

Occupational health and safety.

Risks dealing with hot works, lifting, works at heights, scaffoldings, electrical, piping, high pressure cleaning, work in confined spaces.

Lock-out tag-out procedures.

Job safety analysis. Prevention plans and work permits: regulation, education, constraints. Responsibility of the personnel.

Personal protective equipment.

Quality control plan: audit, quality audits, contractor management.

Progress monitoring: physical progress, indicators (KPI's), schedule and critical path. Statements and checks on site.

Work acceptance: use of checklists, punch lists, interfaces management with production and inspection department.