

€ TRAINING

Advanced Maintenance Planning Strategies





Advanced Maintenance Planning Strategies

Introduction:

This training program is designed to equip participants with the essential strategies and tools for optimizing maintenance practices within their organization. Through it, participants will possess the knowledge and skills necessary to implement robust maintenance strategies effectively.

Program Objectives:

At the end of this program, participants will be able to:

- Set up master data to support asset maintenance.
- Facilitate the development and implementation of programmed maintenance.
- Develop task plans and procedures that meet safety, quality, and efficiency criteria.
- Initiate the acquisition of logistics to enable execution of backlog work.
- Compile a work schedule for a forthcoming period in consultation with stakeholders.
- Produce performance indicator based reports that expose problem areas.

Targeted Audience:

- Planners.
- Maintenance and Reliability Engineers.
- Planning Engineers.
- Maintenance Supervisors.
- Maintenance Engineers.
- Maintenance Team Leaders and Managers.
- Operations Team Leaders and Managers.
- Technical Support Staff.

Program Outlines:

Unit 1:

The Building Blocks of a Modern Maintenance Management System:

- The "Asset Healthcare Model".
- Asset Master Data.
- Organisation Master Data.
- Maintenance Logistics Planning.

Unit 2:

Programmed Maintenance Development and Planning:

- Criticality Grading.
- Failure Modes and Effects Analysis.
- Programmed Task Selection Criteria and Tools.
- CMMS Task Plans and Work Orders.
- Corrective Maintenance Task Procedures.

Unit 3:

Work Management:

- Work Management Process Model.
- Defect Reporting and Notifications.
- Backlog Control.
- Capacity Planning and Resourcing.
- Schedule with Consensus of Stakeholders.

Unit 4:

Shutdown and Turnaround Management:

- Network Planning and Critical Path Scheduling.
- Resource Profile.
- Resource Leveling and Balancing to Optimise the Schedule and Resource Profile.
- Shutdown and Turnaround Progress Tracking and Control.

Unit 5:

Performance Management::

- Setting-up Performance Indicators and Data Sources.
- Work Management Performance Indicators.
- Asset Maintenance Effectiveness Performance Indicators.
- Cost Control Performance Indicators.
- Planning Performance Indicators.