Training Title

MAINTENANCE SPECIALIST: PREVENTIVE & PREDICTIVE MAINTENANCE PROGRAMS

Training Duration
5 days

Training Venue and Dates

Maintenance Specialist: Preventive & Predictive Maintenance Program)	5	16ᵗʰ to 20ᵗʰ June 2025	$5,500	Dubai, UAE.

Trainings will be conducted in any of the 4 or 5 star hotels.

Training Fees
- *5,500 US$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch.*

Training Certificate
Prolific Consultants FZE Certificate of Course Completion will be issued to all attendees.

COURSE OVERVIEW
COURSE DESCRIPTION
Effectively planned Preventive & Predictive Maintenance which is integrated with the workflow is critical for a successful company and an integral part of maintenance management strategies such as RCM, RBM, TPM, and even 6-Sigma. This comprehensive 5-day GLOMACS Maintenance Engineering training seminar on Implementing Effective Preventive & Predictive Maintenance Programmes has been designed to benefit both qualified new professionals as well as experienced professionals who may be involved in the rollout of a comprehensive Maintenance & Asset Management process or auditing an existing process. It covers all the steps required in developing a successful Preventive & Predictive Maintenance Program from failure behavior and finding the right preventive maintenance task until a well-managed preventive & predictive maintenance program, fully integrated with the workflow and the CMMS.

Leading industrial organizations are evolving away from reactive ("fix-it-when-it-breaks") management into preventive and predictive management ("anticipating, planning, and fix-it-before-it-breaks"). This evolution requires well-planned and executed actions on several fronts.

This training seminar will highlight:
- *Preventive & predictive maintenance strategies and their position within Asset Management*
- *Risk Based Maintenance*
- *Maintenance & reliability engineering best practices*

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- **Best practices in planning and scheduling (workflow management)**
- **The application of CMMS**
- **Monitoring & managing performance with Key Performance Indicators (KPI's)**
- **Continuous improvement aspects**

COURSE OBJECTIVES:

At the end of this training seminar, you will learn to:
- **Understand how world-class organizations solve common planning problems**
- **Improve productivity through use of better, more timely information**
- **Implement a practical and effective predictive maintenance effort**
- **Improve consistency and reliability of asset information**
- **Optimize preventive and predictive maintenance strategies**

SUITABLE FOR:

This training seminar is suitable to a wide range of professionals but will greatly benefit:
- **Maintenance Managers & Supervisors**
- **Personnel designated as planners, or identified to become planners**
- **Predictive Maintenance Technicians & Supervisors**
- **Key Leaders from each Maintenance craft**
- **Maintenance & Reliability Engineers**
- **Materials Management Managers / Supervisors**
- **CMMS Key Users**

TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions, and motivate everybody find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.
Very useful Course Materials will be given.

COURSE OUTLINE :-
DAY 1
The Need for Maintenance
- **Maintenance & Asset Management as a Business Process**
- **Risk Based Maintenance (RBM)**
  - **Causes of Failure**
  - **Likelihood & Severity of Failure - Risk Analysis**
  - **Failure Mode Effect & Criticality Analysis (FMECA)**
  - **Choosing the (preventive) Maintenance Tasks**

- *Optimization of Maintenance Decisions*
  - *Failure Pattern Identification*
  - *Statistical Analysis of Failures*
  - *Weibull Analysis*
- *Zero Base Budgeting*
  - *Define the Production Requirement*
  - *Define the Maintenance Requirement*

DAY 2
Developing the CMMS
- *Database & Structure*
- *CMMS & Workflow*
- *CMMS & Maintenance Strategies*
- *Asset Register*
- *Configuration Management*

DAY 3
The Planning Function
- *The Maintenance Workflow and How It Relates to the Preventive Maintenance Strategy*
- *Roles & Responsibilities in Work Preparation, Planning and Scheduling*
- *Principles of Work Preparation & Planning*
- *Principles of Scheduling*
- *Network Planning*

DAY 4
Predictive Maintenance
- *Potential Failure Analysis (PFA)*
  - *Integration of PFA with FMECA & RBM*
  - *Understanding the P-F Interval*
  - *Decide which Technologies to Apply*
- *Predictive Maintenance Technologies*
  - *Vibration Analysis*
  - *Visual Inspection*
  - *Infrared Thermography*
  - *Temperature Sensitive Labels*
  - *Megger Tests*
  - *Ultrasonics*
  - *Oil Analysis*

DAY 5
Control of the Maintenance Process
- *Implementation Stages of Preventive & Predictive Maintenance Strategies*

- *CMMS Integration*
- *Reporting – Use of (Key) Performance Indicators*

Case Studies, Last Day Review, Discussions & Pre & Post Assessments will be carried out.

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