Implementing Effective Preventive & Predictive Maintenance Programmes

28 Jun - 02 Jul 2020, Dubai
01 - 05 Nov 2020, Dubai
Introduction

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 GLOMACS training seminar will highlight:

- Preventive & predictive maintenance strategies and their position within Asset Management
- Risk Based Maintenance
- Maintenance & reliability engineering best practices
- Best practices in planning and scheduling (workflow management)
- The application of CMMS
- Monitoring & managing performance with Key Performance Indicators (KPI’s)
- Continuous improvement aspects

Objectives

At the end of this GLOMACS 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

Organisational Impact

By attending this GLOMACS training seminar, your organization will get sustainable results:

- A comprehensive understanding of a developing preventive & predictive maintenance programs
- Integrate Preventive & Predictive Maintenance into the workflow & CMMS
- Optimize the workflow
- Develop an effective system to monitor the performance
- Optimization of the maintenance effort
- Manage full and effective control of the maintenance budget

Personal Impact

By attending this GLOMACS training seminar, the participants will:

- Know and identify which equipment components should be part of your preventive & predictive maintenance plan
- Know how to establish the most appropriate failure finding interval for protective devices - and how to come up with the failure risk of equipment that’s subject to condition-based maintenance
- Know the right way to establish the optimal inspection frequency for equipment in continuous operation
- Understand the integration of preventive & predictive maintenance strategies into workflow and CMMS
- Know how to arrive at the economic life of an asset where its utilization declines as it ages
- Add value for themselves
- Be able to plan and develop a future career

Who Should Attend?

This GLOMACS 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

This GLOMACS Maintenance Engineering training seminar on Implementing Effective Preventive & Predictive Maintenance Programmes will be conducted along interactive workshop principles. There will be a variance of lectures and practical exercises. Experiences from different areas will be discussed. There will be many opportunities for discussion and sharing experiences.
Seminar 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 Study

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Implementing Effective Preventive & Predictive Maintenance Programmes

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<th>Code</th>
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PAYMENT DETAILS

☐ Please invoice my company
☐ Cheque payable to GLOMACS
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CERTIFICATION

Successful participants will receive GLOMACS’ Certificate of Completion

4 WAYS TO REGISTER

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TERMS AND CONDITIONS

• Fees - Each fee is inclusive of Documentation, Lunch and refreshments served during the entire seminar.
• Mode of Payment - The delegate has the option to pay the course fee directly or request to send an invoice to his/her company/ sponsor. Credit card and cheque payments are both acceptable.
• Cancellation / Substitution – Request for seminar cancellation must be made in writing & received three (3) weeks prior to the seminar date. A US$ 250.00 processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.
• Hotel Accommodation – is not included in the course fee. A reduced corporate rate and a limited number of rooms may be available for attendees wishing to stay at the hotel venue. Requests for hotel reservations should be made at least three (3) weeks prior to the commencement of the seminar. All hotel accommodation is strictly subject to availability and terms and conditions imposed by the hotel will apply.
• Attendance Certificate – a certificate of attendance will only be awarded to those delegates who successfully completed/ attended the entire seminar including the awarding of applicable Continuing Professional Education Units/Hours.
• Force Majeure – any circumstances beyond the control of the Company may necessitate postponement, change of seminar venue or substitution of assigned Instructor. The Company reserves the right to exercise this clause and implement such amendments.
• Fair Access / Equal Opportunities – In the provision of its services as a world-class Training Provider, the Company is committed to provide fair access / equal opportunities throughout the delivery of its courses and assessment leading to the completion of training seminars, or 3rd party qualifications/certifications.

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