



Training Seminars & Conferences


An Intensive 5-Day Training Seminar On

Excellence in Maintenance and Reliability Management

Preventive and Predictive Maintenance and Machinery Failure Analysis

23 - 27 May 2021, Dubai
03 - 07 Oct 2021, Dubai



 View Details

www.euromatech.com

An ISO 9001:2015
and ISO 29993:2017
Certified Company

Excellence in Maintenance and Reliability Management

Preventive and Predictive Maintenance and Machinery Failure Analysis

INTRODUCTION

Achieving excellence in maintenance and reliability is the aim of every organisation that depends on its physical assets to achieve business objectives. Lower profit margins have made reducing maintenance costs imperative to the survival of many organisations. The overall cost of asset ownership is closely tied to the outcomes of reliability, durability and longevity of physical assets. This EuroMaTech training course is about developing and implementing the strategy and tactics that deliver the outcomes we need.

This Excellence in Maintenance and Reliability Management training course starts with the key aspects that lay the foundations and cornerstones of an effective maintenance function. It introduces reliability strategies such as FMECA, TPM, RCM and RCFA to highlight their costs and benefits. The Excellence in Maintenance and Reliability Management training course will then demonstrate how these strategies are used to derive the different maintenance tactics of predictive, preventive, detective and repair-after-failure maintenance tactics.

An in-depth analysis of risk-based processes such as Reliability-Centered Maintenance, the principles of Risked Based Maintenance and Totally Productive Maintenance; as well as a unique, practical application of the methodologies to demonstrate how they can be applied in the real world; are integral components of this EuroMaTech training course.

Participants will develop the following competencies:

- Asset Functional Analysis
- Failure Forecasting Risk Assessment
- Maintenance Strategy and Tactics Development
- Root Cause of Failure Analysis
- Reliability Improvement Project Facilitation

PROGRAMME OBJECTIVES

- Compare their current maintenance strategies to industry best practice
- Understand the benefits and costs of alternative maintenance strategies
- Define maintenance strategies for a specific system using a decision support process and tools

- Analyse failures and determine the root causes using the tools and templates provided
- Implement reliability improvement methodologies correctly
- Prepare maintenance schedules and procedures for implementation

WHO SHOULD ATTEND?

Delegates should represent members of the organisation that play a leadership, management and supervisory role in the operation and maintenance of the company's physical assets, including:

- Reliability Engineers
- Maintenance Planners
- Maintenance Supervisors
- Maintenance Engineers
- Operations and Process Team Leaders

TRAINING METHODOLOGY

This Excellence in Maintenance and Reliability Management training course is a combination of instructor lead topic areas and class discussions. Interactive discussions broaden perspectives and clarify areas of uncertainty. Practical exercises are used extensively to build confidence and the ability to apply what has been learned at the workplace. Questions and active participation in the sessions is encouraged to eliminate reduce any uncertainty.

PROGRAMME SUMMARY

This EuroMaTech training course delivers all the methodologies that are essential for progressing an organisation's maintenance and reliability management to the excellence level. Although the methodologies are sound and have been around for many years, it is the application and implementation that usually goes wrong. This is an opportunity to learn from an expert how to implement the methodologies correctly and avoid the high cost of pitfalls and recriminations that follow from poorly conceived attempts.

PROGRAM OUTLINE

DAY 01

Introduction to Maintenance and Reliability Management

- The cost and risk of equipment failure
- Pillars of excellence in maintenance
- Best practice reliability and maintenance processes
- Overview of FMECA, TPM, RCM, RBI and RCFA

DAY 02

Establish Framework for Reliability

- Build a competent team to drive reliability in each area
- Asset identification, classification and criticality grading
- Define asset performance and efficiency standards
- Anticipate the physical causes of failure and degradation
- Anticipate the human causes
- Analyse the effects and quantify the risks
- Practical application of failure and risk analysis

DAY 03

Failure Management Strategy Development

- Risk-based approaches to failure management
- Select proactive maintenance tactics on the basis of costs and risks
- Preventive maintenance tasks and intervals
- Predictive maintenance tasks and intervals
- Failure detection and function testing tasks and intervals
- Human error reduction through equipment, procedural and skill upgrades
- Repair-after-failure strategies
- Practical application and open discussion sessions of case study

DAY 04

Failure Management Strategy Implementation

- Aggressive defect reporting to feed the backlog
- Plan for quality, time and safety
- Budget for spare parts and make stocking decisions
- Schedule maintenance to minimise operational downtime
- Use appropriate metrics to drive defect elimination
- Practical application and open discussion sessions

DAY 05

Root Cause of Failure Analysis

- Failure reporting analysis and corrective action system requirements
- Use failure data and Pareto analysis identify and stratify improvement opportunities
- Types of evidence, preservation and use
- Organise the RCFA and apply the process
- Practical RCFA case study using a MS Excel based tool
- Review of failure forensic techniques

IN-HOUSE TRAINING

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.

QUALITY CERTIFICATIONS & ACCREDITATIONS

EuroMaTech is proud to be associated with the following accreditation bodies:



The PMI® Registered Education Provider logo is a registered mark of the Project Management Institute, Inc.

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✓	Date	Venue	Fee(\$)
	23 - 27 May 2021	Dubai	US\$4,950
	03 - 07 Oct 2021	Dubai	US\$4,950

*This fee is inclusive of instruction materials, documentation, lunch, coffee/tea breaks & snack. All Fees are subject to 5% Value Added Tax (VAT).**

Your Details

Name (Mr/Ms):.....
Position:..... Organisation:.....
Address:.....
.....
City / Country:
Telephone / Fax:

Mode Of Payment

- Please find enclosed a cheque made payable to EuroMaTech
 Please invoice me
 Please invoice my company as follows:

Contact Name:
Company Name:
Address:.....

Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates. In addition, a special note pad to facilitate note taking will be provided.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Schedule

Our Course timings commences at 08:30 and concludes at 14:00, followed by lunch on a daily basis.

Hotel Accommodation

EuroMaTech has negotiated special rates for a limited number of rooms in the hotel. Early registration will help to secure a room at the reduced rate.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment. For Further Information, Contact Your Nearest EuroMaTech Office.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- 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.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

***VAT Announcement:** The Government of UAE have introduced Value Added Tax (VAT) on goods and services from 01-January-2018. In compliance with the legislation issued by the UAE Government, we will be applying a 5% VAT on the fees for all our programs and services offered from January 2018 as applicable and stipulated in the FTA circulars.

Contact Us:

U.K. Office:

109 Mount Pleasant
Liverpool L3 5TF, United Kingdom
Telephone: +44 151 709 7100
Fax: +44 151 709 7181

Middle East Office:

P.O. Box 74693
Dubai, United Arab Emirates
Telephone: +971 4 4571 800
Fax: +971 4 4571 801

Email Address:

info@euromatech.ae

Website:

www.euromatech.com



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