MERCURY

Effective Maintenance Management

05 - 09 May 2024
Sharm El-Sheikh (Egypt)

Effective Maintenance Management

Ref.: 9471_263450 **Date:** 05 - 09 May 2024 **Location:** Sharm El-Sheikh (Egypt) **Fees:** 4500 Euro

Introduction:

Leading industrial organizations are moving away from reactive "fix-it-when-it-breaks" maintenance into predictive and preventive maintenance "anticipating, planning, and fix-it-before-it-breaks" as part of a life cycle focused Asset Management approach. This evolution requires well-planned and executed actions on several fronts. This course provides great opportunities to optimize the performance of your assets and maintenance processes to achieve maximum Return On Investment ROI. By reducing costs and downtime, while achieving high levels of safety and quality you will be able to get the best out of your assets.

This training course introduces participants to the skills and knowledge areas of essential advanced maintenance management technologies and methodologies. It demonstrates both the background to each technology and its practical application to achieve the best bottom-line results

Targeted Groups:

- All Professionals involved in Maintenance Management
- Professionals involved in Work Planning & Control
- Maintenance Supervisors
- Maintenance Engineers
- Maintenance Team Leaders and Managers
- Operations Team Leaders and Managers

Course Objectives:

At the end of this course the participants will be able to:

- Understand the basic principles of Asset Management as a framework for managing and optimizing maintenance
- Identify common maintenance Key Performance Indicators KPIs and develop the maintenance department scorecard
- Assess the organizational Asset Management maturity and develop a roadmap for improvement
- Examine the organizational and managerial considerations for highly effective Risk-Based Maintenance
- Understand Life Cycle Management and the way Systems Engineering and RAMS could support this
- Determine the Life Cycle Costs of an asset
- Demonstrate the latest concepts and techniques about Predictive and Smart Maintenance

Targeted Competencies:

- Asset Management: a business-like approach to Maintenance Management
- Using KPI's and the balanced scorecard to Measure Performance
- Assessing Asset Management maturity and determine the roadmap for improvement
- The business case for Asset Management improvement - cost/benefit thinking
- Understanding risk and an introduction to a Risk-Based Maintenance approach
- Life Cycle Management with aspects like Systems Engineering and RAMS requirements
- Life Cycle Costing
- The latest concepts and techniques of Predictive and Smart Maintenance

Course Content:
Unit 1: Framework for Managing and Optimizing Maintenance:

- Asset Management as a Business Process
- Asset Management Landscape Model
- Strategy Framework
- Line of Sight
- Asset Management Policy, Asset Management Strategy
- Strategic Asset Management Plan
- The Position of Maintenance Management
- Asset Management Roles on Strategic, Tactical and Operational Level
- ISO 550000 - The International Standard on Asset Management

Unit 2: Assessing Asset Management Maturity as A Basis for Maintenance Improvement:

- Measuring Performance
- Leading & Lagging Indicators - KPI - Dashboards
- Assessments & Benchmarking against International Standards
- Asset Management Maturity Assessments
- Asset Management Workbench ISO 55000 Gap Analysis
- SAM-assessment ISO 55000 Self-assessment
- Determine the Roadmap for Maintenance Improvement
- The Business Case for Asset Management Improvement - Cost / Benefit Thinking
- Implementation Aspects

Unit 3: Managing Asset Risks - Risk-Based Maintenance RBM

- Not every failure is important - the basic principles of risk
- Risk on business level
- Risk matrix, risk register
- Risk on asset level
- Failure behavior of systems
- Choosing the appropriate maintenance tasks for your assets with a Risk-Based approach

Unit 4: Life Cycle Management:

- Life Cycle Management
- The Life Cycle of An Asset
- Demand Forecasting
- Creation & Acquisition of Assets
- Systems Engineering Approach
- RAMS Requirements - Methodologies
- Life Cycle Costing LCC
- Disposal and/or Replacement - Life Time Extension Asset Rationalisation

Unit 5: Smart Maintenance:

- Understanding Principles of Predictive Maintenance PdM
- What PdM Technologies to Apply? - A short overview of relevant PdM technologies
- Smart Maintenance - Measuring Asset Performance with Modern Data Technology
- Data Analysis Aspects
- Optimization Aspects - Optimizing the Maintenance Strategy
- Using Decision Support Tools

Registration form on the :
Effective Maintenance Management

code: 9471 **From:** 05 - 09 May 2024 **Venue:** Sharm El-Sheikh (Egypt) **Fees:** 4500 **Euro**

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