

**Training Title**

**ADVANCED MAINTENANCE MANAGEMENT**

**Training Duration**

5 days

**Training Venue and Dates**

|       |                                 |   |                   |         |            |
|-------|---------------------------------|---|-------------------|---------|------------|
| REF   |                                 |   | 09 - 13 February, |         |            |
| RM011 | Advanced Maintenance Management | 5 | 2020              | \$4,500 | Dubai, UAE |

**In any of the 5 star hotel. Exact venue will be informed later.**

**Training Fees**

**4,500US\$ per participant. Fees Includes Course Materials/Handouts, Tea/Coffee, refreshments, International Buffet Lunch.**

**Training Certificate**

**Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.**

**TRAINING OVERVIEW**

**TRAINING DESCRIPTION**

Maintenance Management provides all the delegates great opportunities to optimise the performance of their systems and equipment to achieve maximum return on investment (ROI). By reducing costs and downtime, while achieving high levels of safety and quality.

However, with the rapid pace of change in maintenance, and the emergence of many new concepts, methods and technologies, it is often difficult for managers with maintenance responsibilities to judge which of these new technologies are most appropriate to their specific needs, and which will provide them with the greatest benefits in practice.

This seminar provides an overview of a number of Modern Maintenance Technologies associated with equipment, systems, people and management. It describes both the background to each technology, and its practical application to achieve the best bottom-line results.

The seminar looks at which areas of the maintenance manager's responsibilities will benefit from individual technologies. It also shows how they can be integrated to support each other, how to choose an appropriate selection of technologies, and how to develop an action plan for their implementation.

**TRAINING OBJECTIVES**

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The delegates will learn how:

- To apply the appropriate Modern Maintenance Technologies
- Each of these technologies contributes to maintenance efficiency
- These technologies can interact with and support each other
- To achieve the best results in practicing these technologies
- To develop an action plan to utilise these technologies in their own areas of responsibility, fitting them into the overall maintenance strategy, and measuring benefits

### WHO SHOULD ATTEND?

- Supervisors, Team Leaders and Managers in Maintenance, Engineering and Production
- Anyone who wishes to update themselves on Modern Maintenance Technologies, judge the suitability of these technologies for their needs, and learn how to implement them for the benefit of their organisations

### 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.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work & Practical Exercises
- 20% Videos & General Discussions

### DAILY OUTLINE

#### DAY 1

**Introduction & Overview: challenging the traditional approaches to maintenance**

- The road to Asset Management
- Cost/benefit decisions: spending the right amount of maintenance
- Using Decision Support Tools in finding the right amount of maintenance

#### DAY 2

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## Risk Based Maintenance (RBM)

- Understanding risk
- The seven steps of Risk Based Maintenance (RBM)
- Failure Mode Effect & Criticality Analysis (FMECA)

## DAY 3

### Applying Risk Based Maintenance & Root Cause Analysis (RCA)

- Failure patterns
- Choosing the appropriate maintenance task
- The role of operators: Autonomous Maintenance
- Finding root causes to improve maintenance
- Root Cause Analysis (RCA)

## DAY 4

### Maintenance Assessments & Benchmarking

- Process audits
- Where are we now – benchmarking & assessments
- What to improve – goal setting
- Developing an improvement action plan and fitting in modern maintenance technologies
- Monitoring and communicating results

## DAY 5

### Performance Management & Implementation aspects

- Continuous improvement
- Performance management: behaviour of people
- Implementation aspects
- Action plan
- Wrap up

## NOTE:

Pre & Post Tests will be conducted

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

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