



# Advanced Maintenance Planning and Scheduling



## Introduction

Maintenance is a high leverage contributor to business profitability, through its impact on equipment capacity, product quality, safety, health and the environment, and the cost of production.

The results and benefits from implementing a world class maintenance operation should yield a significant improvement in plant profit, as well as many intangible benefits such as enhanced customer satisfaction, employee pride and vendor relations.

Maintenance planning is fundamental to the success of operations. If it is your aim to have a world-class enterprise, the maintenance organisation and strategy have a critical role to play in this mission. Driven from business goals, such a strategy cannot be seen as separate from other functions, but rather as an intrinsic part of a complete approach to high performance operation.

The business goals will place organisational, as well technical demands on the enterprise. The strategy therefore has to integrate and guide the implementation of technical and managerial strategies at all organisational and process levels. The strategy/philosophy must represent the very best technology, procedures and practices available, relevant to the business goals of the organisation. The strategy must define the processes/procedures/practices required to achieve the highest possible degree of maintenance management and maintenance effectiveness, whilst minimising total life-cycle costs of new assets and current operating costs of existing assets.

## Who Should Attend?

- Operations Managers
- Maintenance Managers
- Engineering Managers
- Continuous Improvement Leaders
- Maintenance Engineers
- Reliability Engineers
- CMMS Implementation Project Leaders

## Seminar Objectives

- Gain an understanding of the critical contribution to be made by maintenance to the achievement of business objectives
- Learn how to establish a strategic framework effective maintenance management
- Understand the roles, processes and procedures to ensure organisational effectiveness
- Learn to establish parameters for the measurement of management and technical performance on all organisational levels
- Improve overall equipment performance, while ensuring long term asset health

## Course Outline:

### *DAY 1 - Maintenance objectives and strategy*

- Changes of relevance to Maintenance
- Role of Maintenance in Modern Business
- Reducing Costs and Improving Performance
- What is the true Downtime Cost?
- Maintenance Cost and Value
- Bottom-line Benefits
- Maintenance evolution - history and modern thinking
- Brief Historical Overview of Maintenance
- Maintenance Types
- Maintenance Plan
- World-Class Reliability and Maintenance

### *DAY 2 - World-class standards - comparing your plant with the best*

- Benchmarking and Maintenance Performance Assessment
- Maintenance Self-Assessment
- Managing and Measuring progress to Excellence
- Overall Equipment Effectiveness

### *DAY 3 - Implementing new management approaches*

- Failure Management Programme (RCM)
- Total Productive Maintenance (TPM)
- Life-Cycle Costing
- Getting the best from your CMMS
- Computerised Maintenance Management
- Why CMMS Implementation Fail

## **DAY 4 - Optimising maintenance organisation**

- Operations Excellence
- Operations + Maintenance = Production
- Can Operations Manage Maintenance?
- A Driving Lesson for Operations and Maintenance
- 70/30 Phenomenon
- Contract Maintenance or not?
- Maintenance Management Legends

## **DAY 5**

- A Framework for Achieving Best Practice in Maintenance
- Case Studies