MERCURY

Maintenance Planning, Scheduling & Control



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

Targeted Groups:

Those involved in the planning, supervision or management of maintenance activities; also anyone interested in learning more about the critical role of maintenance in a company

Course Objectives:

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

- 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 organizational effectiveness
- Learn to establish parameters for the measurement of management and technical performance on all organizational levels
- Improve overall equipment performance, while ensuring long term asset health

Targeted Competencies:

- Maintenance Planning
- Maintenance theory and practice
- Maintenance work processes
- Influence and communication skills
- Financial evaluation
- Safety theories and principles
- Performance management

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Course Content:

Unit 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

Unit 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

Unit 3: Implementing New Management Approaches:

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

Unit 4: Optimising Maintenance Organization:

- 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

Unit 5: Maintenance Planning and Control:

- Maintenance workflow process
- Work requests and work orders
- Work planning and scheduling
- Backlog management
- Resource management
- Spare parts management

- Maintenance master budget
- Capital budgeting
- Maintenance initiatives
- Replacement analysis of assets
- Maintenance operating budget
- Innovation and creativity