

Professional Engineering Services

Achieving World Class Maintenance Performance.

Course Duration: 5 Days

Course Contents:

Upon completion of this management training course, attendees will be able to evaluate their plant's maintenance practices and develop a program to achieve "world class" maintenance performance.

Course Objective:

Understand how their plant's maintenance practices compare with industry leaders. In addition, they will be able to identify key improvement areas and understand the steps that are required to achieve the desired savings.

- Understand the practices used by industry leaders to achieve successful T/As. They will learn the seven phases of T/A management and the actions necessary in each phase.
- Be able to conduct work request justification reviews, which are based on the business principle of return on maintenance investment. They will have an understanding of how to develop risk scenarios reflecting realistic consequences and probabilities that can be used to establish the needed scope and timing of maintenance work.
- Be able to understand the principles of Life Cycle Maintenance Management (LCMM). They will have an understanding of how to develop LCMM plans for their key equipment and the application of this information to the development of maintenance budgets.

Who Should Attend?

Supervisors and Managers who are assigned the following responsibilities:

- Maintenance cost, equipment and unit reliability. Attendees should have an understanding of their plant's current performance, maintenance practices, and opportunities for improvement.
- T/A cost and unit performance. Attendees should have an understanding of their current T/A practices.

Part I:

Maintenance Practices That Improve Plant Profits:

- Strategy for Maintenance Excellence.

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- Symptoms of Poor Performance.
- Competitive Performance.
- Changing Maintenance Philosophy.
- Top Performance Practices.
- Achieving Progress.

Part II:

Maintenance Strategies & Tactics:

- Reactive Maintenance.
- Preventive Maintenance.
- Predictive Maintenance.

Part III:

Reliability Centered Maintenance – RCM:

- RCM Technologies.
- RCM Analysis.
- RCM Logic Tree.
- FMEA as a Tool.
- FMEA Purpose & benefits.
- FMEA Example.

Part IV:

Maintenance Planning, Scheduling & Workload:

- Maintenance work process.
- Planning & Scheduling.

Part V:

Maintenance Planning Project:

- Maintenance Project Planning.
- Work Flow.
- CM Work Flow.
- Preventive maintenance work flow.
- Work request module.
- Work orders module.
- Financial Control.
- Life Cycle Costing.
- TPM.

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- Benchmarking.

Part VI:

Turnaround Management:

- Meaning of turnaround.
- Schedule plant shutdown.
- Plant turnaround management process.
- Strategic, tactical and operational planning.
- Maintenance work scope.
- Turnaround process.
- Plant shutdown-Long term strategy.
- Planning turnaround.

