

# Total Productive Maintenance (TPM)

A three-day overview seminar covering the component and steps involved in designing and deploying a Total Productive Maintenance (TPM) System. The seminar includes a description of the major elements of TPM, expected benefits, key steps in implementing a TPM program and how to measure the results. The seminar is applicable to process industries as well as to fabrication and assembly. The course requirements align with Clause 8.5.1.5 in IATF 16949.

**Hours: 8 a.m. – 4 p.m.**

**Length: 3 days**

## Course Objectives

### Participants will learn:

- What TPM is, and how it can significantly improve productivity, quality and the bottom line.
- The core concepts and components of TPM.
- The major steps involved in implementing TPM.

## Who Should Attend:

Executives, Plant Managers, Maintenance Personnel, Production and Engineering Managers and others involved in the review of or implementation of a TPM Program.

## Related Seminars:

- IATF 16949
- Lean Manufacturing
- 5S and Visual Control Systems
- Project Management



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## Seminar Content

### Overview of Total Productive Maintenance

- What is TPM
- The Goals of a TPM Program
- Benefits
- Key Elements
- Small Group activities
- The Six Big Losses
- The Eight Major Losses for Process Industries
- Other Losses
- Overview of Implementation
- Terms and Definitions

### Organizing for TPM

- Organizing for Implementation
- The TPM Policy
- Establishing the Baseline
- Setting Goals and Objectives
- Developing the Implementation Plan

### Implementing TPM

- Organizing the Team
- Conducting Initial Cleaning
- Developing Cleaning and Lubrication Standards
- Conducting General Inspections
- Attacking the Six Big Losses
- P-M analysis

- Improving the Planned Maintenance Program

### Early Equipment Management

- Goals of Early Equipment Management
- Tools and Techniques
- Maintenance Prevention
- Life Cycle Design
- Designing for Reliability
- Designing for Flexibility
- Commissioning Control

### Maintainability Improvement

- Reliability Centered Maintenance
- Quality Maintenance

### Maintenance Training

- Who Needs It?
- Types of Maintenance Training
- Establishing the Training Program

### Special Topics

- Monitoring Program Results
- Managing the Change Process
- 5S Visual Control
- SMED
- Designing for the Environment