



Total Productive Maintenance (TPM) Training

14 – 18 March 2027
Cairo (Egypt)



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Introduction:

Total Productive Maintenance TPM is a proven methodology designed to maximize equipment efficiency, minimize downtime, and foster a culture of continuous improvement within organizations. It introduces participants to TPM's core principles and practical applications, guiding them through the planning and implementation process.

This Total Productive Maintenance TPM course equips participants with strategies for sustaining the effectiveness of TPM initiatives by addressing common challenges and pitfalls. It explores integrating TPM with Enterprise Asset Management EAM and Computerized Maintenance Management Systems CMMS, ensuring they gain the skills to maintain a dynamic maintenance system that supports long-term operational success.

Total Productive Maintenance TPM is an approach aimed at enhancing equipment efficiency and minimizing downtime. This Total Productive Maintenance TPM program provides knowledge about TPM principles and its key concepts. What is Total Productive Maintenance? It is a strategy designed to maximize equipment uptime by involving all employees in maintenance activities, ensuring that machines operate at peak efficiency.

This Total Productive Maintenance TPM training course will define total productive maintenance, explain its goals and benefits of TPM, and introduce participants to various TPM tools and techniques. It will highlight the importance of total productive maintenance in improving operational productivity and quality. They will learn how to implement and manage a successful TPM total productive maintenance within their organization.

Targeted Groups:

- Maintenance Managers and Supervisors.
- Production Managers and Supervisors.
- Operations and Facility Managers.
- Reliability Engineers.
- Maintenance Technicians and Team Leaders.
- Continuous Improvement Professionals.
- Asset Management Specialists.
- EAM/CMMS Administrators and Users.

Course Objectives:

At the end of this Total Productive Maintenance TPM course, the participants will be able to:

- Understand the core principles and methodologies of TPM.
- Develop skills for planning and implementing TPM programs effectively.
- Identify common pitfalls in TPM implementation and devise strategies to overcome them.
- Explore techniques to maintain the relevance and effectiveness of TPM initiatives.
- Learn to integrate TPM with EAM and CMMS systems for enhanced efficiency.
- Foster a culture of continuous improvement in maintenance and operations.
- Enhance equipment reliability and minimize unplanned downtime.
- Build team leadership and collaboration skills for successful TPM execution.

Targeted Competencies:

By the end of this Total Productive Maintenance TPM training, the participant's competencies will:

- TPM Planning and Implementation Skills.
- Problem-solving and Critical Thinking.
- Equipment Reliability Optimization.
- Strategic Maintenance Management.
- Continuous Improvement Methodologies.
- Integration of TPM with EAM/CMMS Systems.
- Risk Identification and Mitigation Strategies.
- Leadership in Maintenance and Operations Teams.

Course Content:

Unit 1: Fundamentals of TPM:

- Understand the definition and goals of TPM.
- Explore the eight pillars of TPM.
- Learn the importance of equipment effectiveness.
- Understand the role of operators in maintenance.
- Develop the mindset for continuous improvement.

Unit 2: Planning and Implementing TPM:

- Learn the steps to develop a TPM roadmap.
- Understand how to assess current maintenance practices.
- Identify key stakeholders and their roles in TPM.
- Explore methods for setting measurable goals.
- Understand strategies for training and engaging teams.
- Review case studies of successful TPM implementation.

Unit 3: Avoiding Common Pitfalls in TPM:

- Identify frequent challenges in TPM deployment.
- Understand the impact of poor leadership on TPM success.
- Learn to avoid resistance to change within teams.
- Explore strategies to sustain motivation and commitment.
- Recognize warning signs of TPM program stagnation.

Unit 4: Sustaining and Improving TPM:

- Understand how to keep TPM relevant in changing environments.
- Learn methods for monitoring and evaluating TPM performance.
- Explore tools for continuous improvement in TPM.
- Understand how to adapt TPM to new technologies.
- Develop strategies for long-term engagement in TPM initiatives.

Unit 5: Integrating TPM with EAM/CMMS:

- Understand the benefits of integrating TPM with EAM/CMMS.
- Learn how to configure CMMS for TPM processes.
- Explore data-driven decision-making for maintenance.
- Understand the role of digital tools in optimizing TPM.
- Learn how to track and analyze maintenance metrics.
- Identify best practices for leveraging technology in TPM.