

LEAN TOTAL PRODUCTIVITY MAINTENANCE (TPM)

“Maximizing Equipment Effectiveness and Operator Engagement through Lean TPM Practices”

Schedule

Date	Venue	Fees (Face-to-Face)
18 - 20 Aug 2026	Manama, Bahrain	USD 2495 per delegate
16 - 18 Sep 2026	Dubai, UAE	USD 2495 per delegate

► Available delivery methods: Face-to-Face & Online Training

Introduction

Total Productive Maintenance (TPM) is a foundational pillar of Lean manufacturing, designed to eliminate equipment losses, reduce downtime, and engage operators in sustaining performance. By integrating TPM into daily operations, organizations can achieve significant improvements in productivity, safety, and equipment reliability.

This three-day course provides participants with the tools and methods to implement Lean-based TPM strategies. It covers the eight pillars of TPM, OEE (Overall Equipment Effectiveness), autonomous maintenance, and cross-functional maintenance team development. The training is practical and results-oriented, enabling participants to start applying TPM principles immediately.

Objectives

By the end of this course, participants will be able to:

- Understand the philosophy and principles of Total Productive Maintenance (TPM).
- Apply the 8 TPM pillars to improve equipment reliability and performance.
- Calculate and use Overall Equipment Effectiveness (OEE) to drive improvement.
- Implement autonomous maintenance and engage frontline operators.
- Develop preventive and predictive maintenance routines.
- Build cross-functional collaboration between maintenance and production teams.

Why Attend

- Gain a proven system for eliminating downtime, breakdowns, and defects.
- Learn to drive cultural change by involving operators in daily maintenance.
- Improve the effectiveness of maintenance resources and equipment uptime.
- Reduce maintenance costs while increasing reliability and output.
- Support Lean transformation with a maintenance strategy aligned to continuous improvement.

Target Audience

This program is designed for:

- Maintenance supervisors and planners
- Production and plant managers
- Lean practitioners and CI coordinators
- Reliability engineers and technicians
- Operations leaders seeking to embed TPM

Individual Benefits

Key competencies that will be developed include:

- TPM implementation skills
- Equipment loss analysis and OEE improvement
- Autonomous maintenance leadership
- Maintenance planning and task scheduling
- Cross-departmental TPM facilitation

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased equipment uptime and asset utilization
- Reduced unplanned breakdowns and stoppages
- Improved operator ownership of equipment
- Enhanced collaboration between operations and maintenance teams
- Structured maintenance processes that support continuous improvement

Instructional Methodology

The course combines Lean theory with TPM tools and real-life applications:

- Concept Briefings – 8 pillars of TPM and their application
- Tools – OEE calculators, maintenance boards, checklists
- Case Studies – TPM success stories from manufacturing and services
- Simulations – OEE analysis and maintenance planning
- Group Exercises – TPM pilot project design and team activity
- Coaching – Continuous improvement strategies and sustainment planning

MAWA EVENTS

Address: No. 857, Block A2, Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net



Course Outline

Training Hours: 7:30 AM - 3:30 PM

Daily Format : 3-4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Introduction to TPM and Equipment Effectiveness

• **Module 1: TPM Fundamentals and Lean Alignment (07:30 - 09:30)**

- History and purpose of TPM
- TPM vs. traditional maintenance
- Relationship with Lean manufacturing

• **Module 2: The 8 Pillars of TPM (09:45 - 11:15)**

- Overview of the TPM framework
- Focused improvement, autonomous maintenance, planned maintenance
- Quality, training, safety, and early equipment management

• **Module 3: Measuring Equipment Effectiveness (11:30 - 01:00)**

- Understanding downtime, speed loss, and quality loss
- Calculating OEE and interpreting results
- OEE benchmarking and analysis

• **Module 4: Workshop - OEE Loss Tree Mapping (02:00 - 03:30)**

- Participants calculate OEE and identify primary loss categories

Day 2: Implementing TPM Strategies and Tools

• **Module 5: Autonomous Maintenance (07:30 - 09:30)**

- Step-by-step AM implementation
- Cleaning, inspection, and lubrication routines
- Operator roles and visual control tools

• **Module 6: Planned and Predictive Maintenance (09:45 - 11:15)**

- Setting up PM tasks and schedules
- Maintenance logs and failure history
- Predictive tools: vibration, infrared, oil analysis

• **Module 7: Maintenance Planning and Resource Management (11:30 - 01:00)**

- Work order systems and CMMS
- Task standardization and manpower balancing
- Spare parts and inventory control

• **Module 8: Simulation - TPM Task Planning Exercise (02:00 - 03:30)**

- Teams design a TPM plan for a mock equipment case

Day 3: Culture, Teams, and Continuous Improvement

• **Module 9: Building TPM Teams and Leadership (07:30 - 09:30)**

- Operator, technician, and management roles
- Daily meetings and problem-solving routines
- Training and upskilling strategies

• **Module 10: TPM Audits and Performance Tracking (09:45 - 11:15)**

- TPM audit checklists and scoring
- Visual management and TPM boards
- Recognition systems for TPM contribution
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Module 11: Embedding TPM into CI Strategy (11:30 - 01:00)

- Linking TPM with 5S, Kaizen, and VSM
- Sustaining momentum and overcoming resistance
- Scaling TPM across multiple lines or facilities

Module 12: Final Workshop - TPM Roadmap Presentation (02:00 - 03:30)

- Teams develop and present a phased TPM implementation plan

Certification

Participants who complete the program will receive a **Certificate of Completion in Lean Total Productive Maintenance (TPM)**, recognizing their ability to lead TPM initiatives and drive equipment and workforce effectiveness.

Why Choose MAWA Events

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<p>In-House / Customized Training</p> <p>Interested in running this course for your team?</p> <p>Please contact us:</p>	<p>TEL:</p> <p>+601116373203</p>	<p>EMAIL:</p> <p>info@mawaevents.net</p>
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