

TOTAL PRODUCTIVE MAINTENANCE (TPM) MANAGEMENT

“Maximizing Equipment Effectiveness Through People-Driven Maintenance Excellence”

Schedule

Date	Venue	Fees (Face-to-Face)
04 - 08 May 2026	Singapore	USD 3,495 per delegate

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

Introduction

Total Productive Maintenance (TPM) is a world-class maintenance management system designed to maximize equipment effectiveness by involving all employees in proactive and preventive maintenance activities. TPM goes beyond traditional maintenance by integrating production, engineering, and maintenance functions to achieve zero breakdowns, zero defects, and zero accidents. This intensive 5-day training equips participants with the knowledge, tools, and leadership skills required to manage and sustain TPM initiatives effectively. The program focuses on practical TPM implementation, OEE improvement, loss elimination, and cultural transformation to drive long-term operational excellence.

Objectives

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

- Understand TPM philosophy, principles, and pillars
- Manage TPM deployment and governance structures
- Improve Overall Equipment Effectiveness (OEE)
- Implement autonomous and planned maintenance programs
- Eliminate chronic equipment losses and failures
- Engage and empower operators and maintenance teams
- Sustain TPM as a continuous improvement system

Why Attend

- Learn how to manage TPM initiatives effectively
- Achieve measurable improvements in equipment uptime
- Reduce maintenance costs and unplanned downtime
- Strengthen operator ownership and accountability
- Improve productivity, quality, and safety
- Build a sustainable continuous improvement culture

Target Audience

This program is designed for:

- Maintenance and reliability managers
- Production and operations managers
- TPM coordinators and champions
- Continuous improvement and lean professionals
- Plant and engineering managers
- Supervisors and team leaders

Individual Benefits

Key competencies that will be developed include:

- Strong understanding of TPM management and deployment
- Ability to analyze and improve equipment performance
- Enhanced leadership and change management skills
- Improved problem-solving and teamwork capabilities
- Practical knowledge of OEE and loss elimination

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased equipment availability and reliability
- Improved Overall Equipment Effectiveness (OEE)
- Reduced operational and maintenance losses
- Enhanced safety, quality, and workplace discipline
- Stronger cross-functional collaboration

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - TPM philosophy, pillars, and management frameworks
- Case Studies - Successful TPM implementations and lessons learned
- Workshops - OEE calculation, loss analysis, and pillar deployment
- Peer Exchange - Group discussions on TPM challenges and best practices
- Tools - TPM dashboards, audit checklists, and deployment roadmaps

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

Detailed 5-Day Course Outline - All Modules

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules Coffee Breaks: 09:30 & 11:15 Lunch Buffet: 01:00 – 02:00

Day 1: TPM Fundamentals & Management Framework

Module 1: TPM Philosophy & Evolution (07:30 – 09:30)

- Introduction to TPM and world-class maintenance
- TPM goals: zero breakdowns, zero defects, zero accidents
- TPM vs. traditional maintenance systems

Module 2: TPM Pillars & Organizational Structure (09:45 – 11:15)

- The eight pillars of TPM
- TPM governance, roles, and responsibilities

Module 3: TPM Roadmap & Readiness Assessment (11:30 – 01:00)

- TPM implementation phases
- Assessing organizational readiness

Day 2: Autonomous Maintenance (AM)

Module 1: Principles of Autonomous Maintenance (07:30 – 09:30)

- Operator ownership and involvement
- AM step-by-step implementation

Module 2: Cleaning, Inspection & Standardization (09:45 – 11:15)

- Initial cleaning and inspection
- Visual controls and standards

Module 3: Sustaining Autonomous Maintenance (11:30 – 01:00)

- Skill development and certification
- AM audits and performance tracking

Day 3: Planned Maintenance & Reliability Improvement

Module 1: Planned Maintenance Strategy (07:30 – 09:30)

- Preventive vs. predictive maintenance
- Maintenance strategy optimization

Module 2: Failure Analysis & Maintenance Optimization (09:45 – 11:15)

- Failure modes and effects
- Integrating RCFA with TPM

Module 3: Maintenance Standardization & Best Practices (11:30 – 01:00)

- Work standards and documentation
- Spare parts and lubrication management

Day 4: OEE Improvement & Loss Elimination

Module 1: Understanding & Calculating OEE (07:30 – 09:30)

- Availability, performance, and quality losses
- OEE data accuracy and reporting

Module 2: Loss Analysis & Kaizen (09:45 – 11:15)

- Six big losses
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Kaizen and focused improvement

Module 3: Performance Measurement & Audits (11:30 – 01:00)

- TPM KPIs and scorecards
- TPM audits and reviews

Day 5: Sustaining TPM & Leadership Excellence

Module 1: TPM Leadership & Change Management (07:30 – 09:30)

- Leadership roles in TPM success
- Managing cultural change

Module 2: Sustaining TPM & Continuous Improvement (09:45 – 11:15)

- Long-term TPM sustainability
- Continuous improvement integration

Module 3: TPM Master Plan Development (11:30 – 01:00)

- Developing a site-specific TPM roadmap
- Implementation planning and next steps

Certification

Participants will receive a Certificate of Completion in Total Productive Maintenance (TPM) Management, validating their ability to manage, deploy, and sustain TPM systems that deliver measurable improvements in equipment effectiveness, reliability, and operational excellence.

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TEL:

+601116373203

EMAIL:

info@mawaevents.net

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