



TOTAL PRODUCTIVE MAINTENANCE (TPM) IMPLEMENTATION TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Total Productive Maintenance (TPM) Implementation Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with practical knowledge on how to implement Total Productive Maintenance (TPM) to improve equipment reliability, reduce losses and strengthen overall operational performance. It covers the TPM pillars, key tools, OEE measurement, autonomous and planned maintenance practices, and team-based improvement activities. Participants will learn the structured steps required to launch TPM initiatives, develop maintenance routines, strengthen operator involvement and sustain continuous improvement within their workplace.

OBJECTIVE(S):

- Understand TPM philosophy, principles and implementation framework.
- Identify major equipment losses and calculate OEE performance.
- Implement autonomous and planned maintenance steps effectively.
- Apply TPM tools for problem solving, root cause elimination and improvement.
- Strengthen teamwork, operator involvement and maintenance ownership.
- Develop action plans for each TPM pillar to support implementation.
- Establish monitoring, documentation and sustainability mechanisms.
- Enhance equipment reliability and operational performance.

TARGET GROUP(S):

- Operations and production personnel
- Maintenance engineers and technicians
- Supervisors and team leaders
- Quality, safety and continuous improvement staff
- TPM coordinators or implementation teams
- Anyone responsible for equipment or process performance

ENTRY REQUIREMENT(S):

- Able to read, write and communicate verbally in Malay/English

TOPIC(S):

1. TPM Overview, Principles and Implementation Roadmap
2. Understanding Equipment Losses and OEE Measurement
3. TPM Pillar 1: Autonomous Maintenance (AM) Steps 1–3
4. TPM Pillar 2: Planned Maintenance and Preventive Approaches
5. TPM Pillars 3–5: Focused Improvement, Quality Maintenance and Early Equipment Management
6. TPM Pillars 6–8: Training, Office TPM and Safety/Environment
7. TPM Documentation, Checklists, Visual Management and Monitoring
8. TPM Action Planning, Implementation Strategy and Sustainability

LIST OF REFERENCE BOOK(S):

- TPM Implementation Manual
- JIPM (Japan Institute of Plant Maintenance) TPM Guidelines
- Reliability and maintenance improvement references

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories
- Flip chart with accessories
- TPM worksheets and OEE calculation templates

METHODOLOGY(S):

- Lecture
- Group discussions
- Case studies
- Practical workshops
- Hands-on tools and templates

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 10:15 am	Topic 1: TPM Overview, Principles and Implementation Roadmap
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 2: Equipment Losses and OEE Measurement
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 3: Autonomous Maintenance (AM) Steps 1–3
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 4: Planned Maintenance and Preventive Approaches

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 5: Focused Improvement, Quality Maintenance and Early Equipment Management
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 6: Training, Office TPM and Safety/Environment
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 7: TPM Documentation, Visual Management and Monitoring
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 8: TPM Action Planning and Implementation Strategy