



The South African Institution of Mechanical Engineering

Total Productive Maintenance for Engineers

Duration - 1 Day : Time - 08h30 – 16h30 (Registration at 08h00)

Manual, teas and lunch provided

CPD Validation Number : SAIMEchE-0584-10/15

This workshop will earn delegates 1 credit in Category 1

This workshop is suitable for SAIMEchE groups 1, and 2

SAIMEchE Group Classification

0 = Non-technical,
e.g., HR, Finance

1 = Candidate (including
GCC) with < 5 years
experience

2 = Professional
(including GCC) with < 15
years experience

3a = Professional and
Appointment with > 15
years experience with
specialist interest

3b = Senior
Management with > 15
years experience

Overview

The workshop will discuss the development and Implementation programme of Total Productive Maintenance for Engineers in Practice.

Total Productive Maintenance (TPM) is a systematic approach to understanding the functions of equipment, the equipment's relationship to product quality and the likely causes and frequency of failure of the critical equipment components.

TPM prevents quality defects and breakdowns, eliminates the need for equipment adjustments, and makes the work easier and safer for equipment operators.

TPM is aimed at maximizing the effectiveness of the organisation's equipment through the optimisation of Equipment Availability, Performances, Efficiency and Product Quality.

Who Should Attend

This workshop is recommended for **CEO's, Manufacturing Directors, Engineers working In manufacturing organisations, Project Managers and Engineering Managers** who wish to achieve Excellence in the care of their organisation's equipment. All **Candidate Engineers** are also encouraged to attend.

Contents

- Objectives and Learning outcomes
- History and Purpose of TPM
- The TPM Methodology
- Overall Equipment efficiency and effectiveness OEE
- The 6 big losses associated with Equipment
- Categories of Maintenance and the elimination of the 6 Big Losses.
- Autonomous Maintenance, Planned Maintenance, Preventive and design Maintenance, Predictive Maintenance
- Single Minute exchange (SMED) of die to eliminate set up losses.
- TPM Implementation Programme.
- Quality aspects associated with Equipment, Poka Yoke and Jidoka.
- Standard Operating Procedures for TPM.
- Closure – The future of TPM in South African organisations.

[Click here](#) for a registration form