

**Course Title: TOTAL PRODUCTIVE
MAINTENANCE**

Course Code: QA 112

Course Background / Summary:

Total Productive Maintenance (TPM) is a manufacturing-led initiative that emphasizes the importance of people, a "can do" and continuous improvement" philosophy and the importance of production and maintenance staff working together. This is the only secret recipe available to the world to achieve zero breakdowns of equipment; zero defects produced by the machine and increase the life cycle of the equipment.

Course Objectives:

- Prevent breakdowns of equipment.
- Eliminate minor stoppages.
- Minimize production defects.
- Reduce maintenance costs.
- Reduce set-up and adjustment losses.
- Decrease start-up losses.

Target Audience:

- All levels of employees in any organization

Course Duration: 2 Days

1.0 Introduction: The Power of TPM and 5S Housekeeping for TPM

2.0 Pillar 1 - Quality Maintenance: Sporadic and Chronic Defects & Principle of Quality Maintenance

3.0 Pillar 2 - Six Big Losses: Breakdown Losses, Setup and Adjustment Losses, Idling and Minor Stoppage Losses, Reduced Speed Losses, Quality Defect and Rework, and Start up / Yield Losses

4.0 Pillar 3 - Kaizen and Office TPM: Kaizen Policy, Kaizen Target, Tools Used in Kaizen an How Office TPM Supports Plant TPM

Course Contents

5.0 Pillar 4 - Autonomous Maintenance: What and Why Autonomous Program

6.0 Pillar 5 - Training Operators: Skills to Perform Autonomous Maintenance

7.0 Pillar 6 - Planned Maintenance: Steps of Planned Maintenance

8.0 Pillar 7 - Safety, Health and Environment (HIRARC)