



PROJACS ACADEMY
by @egis



Total Productivity Management (TPM)

تخطيط وجدولة أعمال الصيانة الشاملة TPM

20 – 24 November 2023

Dubai / UAE

Introduction

Total Productive Maintenance (TPM) is a system of maintaining and improving the integrity of production and quality systems through the machines, equipment, processes and employees that add business value to the organization.

TPM focuses on keeping all equipment in top working condition to avoid breakdowns and delays in the manufacturing process.

Who Should Attend?

- Operations Managers
- Plant Managers
- Engineers
- Senior and Middle level Maintenance Managers
- Senior and Middle level Production Managers
- Quality Managers and Technical Managers

Course Outline

Day One

- Introduction and impact of maintenance
- Introduction to TPM
- Implementation of Total Productive Maintenance
- Objectives of Total productive maintenance
- Difference between TQM & TPM
- The traditional TPM Model
- The 5S Foundation
- OEE and the 6 big loses

Day Two

- Benefits of automated OEE tracking
- Understanding the Six Big Losses
- Implementing TPM
- OEE Formula
- Depreciation Vs consumption of machines and equipment
- Machine life time and its relation to failure
- Depreciation curves

Day Three

- Maintenance diagrams
- Machine useful life
- Types of Maintenance Programs
- Introduction to mechanical fault diagnosis
- Preventive maintenance
- Predictive maintenance
- Reliability centered maintenance
- How to initiate RCM
- Case studies
- Time Based Maintenance (TBM)
- Condition Based Maintenance (CBM)
- Maintenance management

Day Four

- Maintenance management budget
- CMMS that can be achieved
- Implementing a planned maintenance system
- Maintenance responsibilities
- Why planned maintenance?
- Advantages of planned maintenance program
- Maintenance work order form

Day Five

- Time-driven ABC vs. traditional ABC
- Avoid failure and fault
- FMEA
- Benefits of FMEA
- FMEA procedure
- Profit Priorities from Activity-Based Costing
- The critical path method (CPM)
- PERT chart and GANTT chart
- Spare parts
- EQQ
- Establishing an electrical safety program

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a 7” Tablet containing a copy of the presentation, slides and handouts
- Post-assessment

Program Support

This program is supported by interactive discussions, role-play, case studies and highlight the techniques available to the participants.

Schedule

The course agenda will be as follows:

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|---------------------|------------------|
| • Technical Session | 08.30-10.00 am |
| • Coffee Break | 10.00-10.15 am |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break | 12.15-12.45 pm |
| • Technical Session | 12.45-02.30 pm |
| • Course Ends | 02.30 pm |

Course Fees*

- **3,200 USD**
**VAT is Excluded If Applicable*