



## Maintenance Excellence and TPM Training

5 days (40 Hours)

Creating, implementing and sustaining a world class maintenance organization that proactively achieves excellent Overall Equipment Effectiveness (OEE)

Bottom Line Benefits of a World Class Maintenance Organization

- Reduce equipment downtime
- Improve equipment reliability
- Improve equipment output (O.E.E.)
- Reduce scrap rates
- Reduce maintenance costs
- Reduce energy consumption costs

### Key Learning

Learn about best practices and obtain helpful tools to create a world class maintenance organization:

- Transition the maintenance organization from a reactionary role of “equipment repair” to a proactive partner in uptime excellence.
- Create a maintenance vision and the strategy to accomplish your objectives.
- Develop and implement an effective process for evaluating your production and facility equipment.
- Develop an effective capital plan for equipment replacement and upgrading.
- Perform a maintenance skills matrix evaluation, identify and provide training for immediate results, and hire people with the correct skills.
- Locate waste in your current maintenance process and develop a future state maintenance map of your maintenance organization.
- Understand the root causes of equipment failures and how to stabilize equipment failure rates.
- Evaluate your lubrication effectiveness and develop a plan of lubrication excellence.
- Understand the barriers to world class maintenance and how to overcome them.
- Create a solid preventive maintenance program and a system to measure its effectiveness.
- Identify and develop critical maintenance measures to ensure a positive impact on company service levels and profits.

### Who Should Attend:

- Maintenance Managers
- Maintenance Supervisors
- Operations Management
- Plant Managers
- Continuous Improvement Leaders



## Five-Day Agenda

### Day One

- Identify your maintenance vision
- Establish maintenance goals
  - Reliability
  - Quality
  - Safety
- Identify Maintenance obstacles
- Identify and discuss your critical pieces of equipment
- Maintenance skills inventory and assessment
- Maintenance mapping – how to locate waste in your current maintenance process

### Day Two / Day Three

- Best practices for approaching zero equipment stoppages/TPM
  - Why equipment fails
  - Four-phase approach to zero stoppages
  - O.E.E. – Overall Equipment Effectiveness
  - Developing autonomous maintenance practices
  - How to evaluate & develop your lubrication strategy
  - Early equipment management strategies
  - Reliability engineering
  - Computerized maintenance management systems

### Day Four

- Best practices for performing preventive maintenance
  - Developing condition-based preventative maintenance
  - Preventive maintenance optimization
- Best practices for performing predictive maintenance
- Maintenance Inventory Management
- Barriers to world class maintenance
- Key performance measurements

### Day Five

- Assess current maintenance program performance
- Develop a going-forward strategy
- Develop time-phased, detailed improvement plan including specific tactics & processes

