



**Alabama  
Technology  
Network**

The University of Alabama in Huntsville

## **Total Productive Maintenance (TPM)**

### **Description**

TPM is a productivity maintenance improvement methodology designed to maximize equipment efficiency. TPM involves everyone - from top executives to shop floor employees. Participants learn how to proactively maintain machines and equipment at peak productivity. Participants go away with an understanding of TPM, its five major components, the seven steps to autonomous maintenance, how TPM increases overall equipment effectiveness and how it can help avoid interruptions to production.

### **Objectives/Topics**

- Definition of TPM
- Need for TPM
- Levels of maintenance
- TPM implementation roadmap
  - o Plan
    - Training
    - Policies and goals
  - o Apply
    - Autonomous maintenance
    - Pilot kaizen
    - OEE
    - 6 major losses
  - o Deploy
    - Visuals
    - Operator PM
    - Maintenance PM
    - Spare parts
  - o Integrate
    - CMMS
    - Predictive maintenance
    - Life cycle cost
  - o Excel

### **Simulation**

The class features hands-on simulated equipment where participants will experience the benefits of TPM by applying the lecture concepts and measuring the impact.

**Course Length**

4 hours

**Class Size**

10-25 participants

**Cost**

- \$2500 to hold at client's facility
- \$175 per person for open enrollment, plus a \$20 per person consumables fee.