Overall Equipment Effectiveness (OEE) for Operators
(Onsite – 3 Days, 8 Hours/day – Optimum class size, 6 - 8 students)

Training Description:

The event follows the 10-step Kaizen Process. During the Kaizen, "6 major losses" will be identified, isolated, and subsequently eliminated by using TPM techniques. The team will measure the Overall Equipment Effectiveness (OEE) of the pilot machine, analyze the OEE data, prioritize the needs, find root causes for the problems, and implement solutions. They will develop a Daily Operator PM Checklist for Autonomous Maintenance. The team will develop a Planned Maintenance checklist for the Operators to follow. The team will establish an Operator Training plan and execute the same.

Training Objective:

To select one or two pieces of equipment that are critical to being able to meet customer demand to deploy the OEE process on. This will begin to understand and eliminate unexpected down time due to malfunction or worn equipment. Resolving these issues as quickly as possible will avoid costly delays and customer relationship issues. This training will be focused on these critical pieces of equipment to teach operators how they can schedule planned maintenance on the most shared areas of equipment failures and have the necessary parts available on short notice to minimize unplanned down time.

Skill Attainment:

Participants will learn to: Identify two main causes for 80% of equipment failures, evaluate equipment, understanding how 6S ties directly into improved quality. Analyze equipment condition, Perform Overall Equipment Effectiveness (OEE) observations, determine baseline the effectiveness of equipment, analyze equipment failure history, Clean & inspect - how they go hand-in-hand, calibrate eyes to locate safety issues/problems, develop countermeasures against contamination, develop countermeasures to make equipment more accessible.

These skills are transferable within the company, industry and are highly desirable by any manufacturer.

Training Agenda:

Day 1

OEE (Overall Equipment Effectiveness) is a data driven process to improve the productivity of your equipment. The question remains, how do you measure productivity? OEE is that measurement system.

During the 1st half of the day, we will discuss the basics of OEE (measuring the 6 major losses), show real life examples through case studies (pictures, data from the shop floor), and discuss categories of losses & how to approach each loss to eliminate and/or minimize them.

- OEE - Overall Equipment Effectiveness
- Classroom and Shop Floor Training Workshop
- Establish Baseline Conditions

The 2nd half of the day we will facilitate 90-minute OEE observations on the production floor, discuss our findings and put together action plans for equipment productivity improvements. This will be a hands training session, as we will work with case studies, calculate OEE, categorize losses, prioritize & develop improvement plans.

Day 2

Using the previous day's training, examples, and discussions, we will lead the two teams to an 8 Hour OEE Observations and Data Collection Exercise. "mining" OEE stoppage data (6 major losses) on the chosen critical equipment in the facility.

Day 3

After the teams have launched their initial OEE tracking system and developed their action plans for equipment productivity improvements, this follow up day will be provided to review the progress made, collect data, follow up on the action plans, and address causes for the six major losses identified. Developing and implementing a visual management system to monitor and sustain the impact on equipment availability, performance or quality is the key to the days training.

- Long term action plans will consist of targeted teams using in-house and outside resources
- Short term action plans will consist of targeted actions of < 1 day and will begin immediately
- Setting standards for collecting data and the thought processes for improvement
- Developing stoppage codes to facilitate data analysis
- Investigate using current equipment controllers to collect stoppage data