

## LEAN PRINCIPLES OVERVIEW

This course helps your workforce understand how Lean Enterprise tools and techniques can improve productivity, cut lead times, increase product quality and reduce production costs. You will be able to apply an understanding of basic Lean Principles to your own workplace. Learn to identify non-value added activities and identify countermeasures for improved effectiveness and efficiency. The potential workplace improvements may include reduced inventories, reduced overproduction, better machine utilization, improved information flow, and/or improved customer focus. A3 action plans will be created to reduce waste and implement improvements in the participant's workplace.

Companies investigating Lean Enterprise as a significant corporate initiative may want to consider providing this training to all employees as a foundation course for further training and to gain employee support for future activities.

### Outline of Lessons

#### Section 1

Simulation of a typical and traditional manufacturing facility. Evaluate performance metrics: on time, quality, complete, cost, floor space, labor, and travel distances. Begin learning a method for identifying Problems.

#### Section 2

Learn to recognize the Eight Common Wastes related to non-value added activity. Define Lean Countermeasures, Standard Work, 6S Organization, Visual Controls, Point of Use Storage, Plant Layout Teams, Quick Changeover, Batch Reduction, Quality at the Source, Pull/Kanban, Cellular Flow, Total Productive Maintenance (TPM).

#### Section 3

Apply Countermeasures to the simulation, run production, and compare to the previous performance metrics.

### Deliverables to Client

At the conclusion of this phase of our engagement, the company will have received the following:

- Apply an understanding of basic Lean Principles to your own workplace
- Identify non-value added activities and identify countermeasures
- Establish a common language for all employees to use when identifying and implementing improvements
- A post-event debrief communication to determine future steps that are a best fit given the success of the initial activities, resource availability, staff skills and other factors.