# Basic Lean Principles Training for Leadership
## Onsite – 4 Hours – Optimum Class Size, 10-12 Participants

**Training Description:**

The Basic Lean Principles course is an ABRIDGED 4-hour version of our full-day Principles of Lean Manufacturing class. This 4-hour training includes a shortened version of our flagship "Clock Factory" training course and simulation. The "Clock Factory" exposes ineffective Traditional Manufacturing Concepts in a high volume, low variety, mass production operation. Participants experience how traditional thinking in manufacturing (Push Scheduling) can be transformed into a functional "lean" facility utilizing the Lean Concepts of Cell and Pull. Participants directly experience the immediate and dramatic impact of the transformation process on themselves, their workplace roles, and the enterprise of which they are part. This training is delivered in person, onsite, and is designed for senior leadership levels or as a fun refresher of Lean Manufacturing topics and their operational and financial benefits.

**Training Objective:**

This introductory training and simulation provides participants with a clear understanding of Lean tools, terminology, and concepts as well as how they can be applied within their workplace. This training serves as a springboard for change and improvement activities and becomes the basis for introducing other quality and productivity enhancement tools.

Topics to be covered include:

- Standardized Work
- 5S Systems
- Visual Workplace
- Plant Layout
- Organizational Culture
- Quick Changeover

- Quality at the Source
- Point of Use Storage
- Total Productive Maintenance
- Pull-Kanban Systems
- Cellular Flow

**Skill Attainment:**

After participating in this training, participants will be able to:

- Understand and apply basic Lean terminology
- Recognize where and how continuous improvement tools can be applied through the identification of value-added and non-value added (waste) activities and the reduction or elimination of waste

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

**Training Agenda:**

Introduction to Simulation

- Introduction to Clock Factory Simulation
- Round 1 of Simulation – 15 minutes – Traditional Manufacturing concept with no Lean Concepts
- Lecture -Introduction to Lean Manufacturing
  - Review the 8 Wastes, Value added / non-value added
  - Standardized Work, 6S and Workplace Organization, Visual Controls, and Plant Layout
- Round 2 Simulation – 15 minutes – Application of Lean Concepts learned
- Lecture – Introduction of New Concepts
  - Quick Changeover, Batch Size Reduction, Point of Use Storage (POUS), Quality at the Source, Total Productive Maintenance (TPM), Overall Equipment Effectiveness (OEE), Pull Systems / Kanban, Takt Time, and Cellular Manufacturing
- Round 3 Simulation – 15 Minutes - Application of Lean Concepts learned
- Simulation runs 15 minutes followed by discussion and wrap up